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Ontario

DRINKING & DRIVING IN ONTARIO

Statistical Yearbook
1988 - 1989

March 1991

Prepared by: Traffic Injury Research Foundation of Canada
171 Nepean Street
Ottawa, Ontario
K2P 0B4

Prepared for: Drinking/Driving Countermeasures
Ministry of the Attorney General
720 Bay Street, 3rd Floor
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1.0 INTRODUCTION

1.1 Background

The decade of the 80s witnessed a tremendous resurgence of efforts to reduce the magnitude of problems associated with driving after drinking. In Ontario, organizations like People to Reduce Impaired Driving Everywhere (PRIDE) were at the forefront of these efforts. Similar groups were active in other provinces and most of the United States. Governments responded with new, tougher laws, stricter enforcement, and stiffer penalties for offenders. Along with this traditional approach, however, came a long-term commitment and a willingness to support *community-based* initiatives.

Perhaps most remarkable is the degree to which the overall effort in Ontario has been **broadened** and **sustained**. At the beginning of the decade, efforts were focussed on drinking-driving countermeasure activities during the month of December. Today, enforcement "blitzes", information and awareness campaigns, educational programs, and a host of local initiatives take place throughout the year. And the collective success of these and other efforts in Ontario over the past several years is reflected in statistics on drinking-driving. Progress has been made. But it is critical that this success not breed complacency. The momentum must be sustained -- while the statistics give cause for satisfaction, at the same time they underscore the substantial distance yet to go in the battle against drinking and driving. The number of people killed and injured on Ontario's roadways as a result of driving after driving is unacceptable. Every year, thousands of lives are irreparably altered by the tragedy of a drinking driver. Some scholars in the field have suggested that the easy battles have been won -- enforcement and persuasive techniques have converted those most accepting of the message, those easiest to change. But new, bolder initiatives are necessary to reach those most resistant to change -- the "hard-core", heavy drinker. The success of past efforts, however, should provide the encouragement and strength to face the challenges that remain.

1.2 Why a "Statistical" Yearbook?

Statistics on impaired driving are a "window" through which one can view part of the reality of drinking and driving, at least in aggregate. To achieve the greatest impact possible from countermeasure activities, there is periodic need for **information** to monitor progress, to reassess strategies and tactics, and to direct efforts more effectively. In this way, however cold-hearted they seem, statistics on drinking and driving serve a most worthwhile function.

Ontario has many sources of information on drinking and driving that offer insights into the magnitude of this problem and the characteristics of those who drive after drinking. Given the quality of data available, it is also possible to monitor drinking-driving over time and thus describe trends in the alcohol-crash problem.

One aim of the Drinking/Driving Countermeasures Office is to provide useful information to people concerned about drinking and driving, particularly those active in communities across Ontario. In keeping with this aim, the main purpose of this, the third statistical report on drinking-driving in Ontario, is to give ready access to data descriptive of drinking-driving problems in the province as a whole, as well as in each of Ontario's counties and regional municipalities.

Despite the apparent utility of this information, there is a risk in publishing these statistics: numbers of drinking drivers involved in traffic crashes may seem "insignificant" in some areas, especially in counties with lesser populations. The complacency induced by the "small" numbers of crashes caused by impaired drivers in a community can be a disservice to many residents: to the victims **and** to their families, friends, and employers. Of course, when the toll of deaths, injuries, and property damage for Ontario as a whole is examined, the problem of drinking and driving appears as it is -- a very large, *intolerable* burden of loss and waste.

1.3 Scope of This Report

This report presents data on the number of drinking drivers involved in motor vehicle collisions in Ontario for the years 1988 and 1989. The following section provides an overview of some of the major highlights from 1988 and 1989. More detailed descriptions of the data, a review of the magnitude and characteristics of the problem in Ontario, and trends in drinking and driving are presented in Section 3. To a large extent, the report relies on charts and graphs to convey this information. The text that accompanies these charts is provided as a guide through the seemingly complex array of numbers. As well, significant findings and changes from previous years are highlighted.

The bulk of the data are contained in a series of tables and figures in the Appendices. Appendix A presents aggregate data for the whole province. Appendix B contains detailed information about crash-involved drinking drivers in each county and regional municipality in Ontario.

2.0 Highlights from the Statistical Yearbook: 1988 - 1989

2.1 Alcohol Use Among Drivers Involved in Traffic Crashes

*** During 1988, 361,210 drivers were involved in traffic crashes in Ontario. Police reported that **17,819 (4.9%)** of these drivers had consumed alcohol prior to the crash. Of these drinking drivers, 7,306 (41%) were judged by police to have their ability to drive impaired by alcohol; 10,513 (59%) were reported to have been drinking [Table 1].

*** During 1989, the total number of drivers involved in traffic crashes rose to 391,143 *but the number of drinking drivers involved in traffic crashes dropped* to **17,488 (4.5%)**. Of these drinking drivers, 7,501 (43%) were judged by police to have their ability impaired by alcohol; 9,987 (57%) were reported to have been drinking [Table 1].

*** In 1988, of the 7,306 crash-involved drivers judged **impaired** by alcohol, 244 of them (3.3%) were involved in fatal crashes; 3,475 (44.6%) were involved in injury crashes; and 3,587 (49.1%) in property-damage crashes. In 1989, 160 (2.1%) of the drivers judged impaired were involved in fatal crashes; 3,556 (47.4%) were involved in injury crashes; and 3,785 (50.4%) in property-damage crashes [Table 1].

*** It has been well-established that the more serious a traffic crash, the more likely a drinking driver was involved. In 1988, about 4% of drivers involved in *property-damage* crashes and 6.5% of drivers involved in *injury* crashes were reported to have consumed alcohol; by contrast, about one in four (26%) drivers involved in *fatal* crashes had been drinking or was impaired. In 1989, the percentages were 3.6%, 6%, and 22% for property damage, personal injury, and fatal crashes, respectively [Table 1].

*** Among drivers *fatally injured* in traffic crashes and tested for alcohol in 1988, 33.7% (175/520) had a blood alcohol concentration (BAC) over 80 mg%, the limit defining impairment in the Criminal Code of Canada. In 1989, 32.7% (191/584) of fatally injured drivers had a BAC over 80 mg% [Table 9].

2.2 Characteristics of Drivers Involved in Traffic Crashes: Gender and Age

*** In 1988, most (88.5%) of the drinking drivers involved in crashes *of any severity* were male. In 1989, males accounted for an almost identical proportion (88.9%) of crash-involved drinking drivers [Tables 2A & 2B].

*** Taken together, in 1988 and 1989 the percentage of male drinking drivers in **injury** crashes was 88% [Tables 2A & 2B].

*** Male drivers were even more prominent in **fatal** crashes in 1988 and 1989; of 758 drinking drivers in fatal crashes, 697 (92%) were male [Tables 2A & 2B].

*** **25-34 year-olds** accounted for the largest percentage of drivers judged **impaired** by alcohol -- 38% in 1988 and 1989, combined. They were followed by 16-24 year-olds (26%) and 35-44 year-olds (20%) [Tables 2A and 2B].

*** Among drivers reported by police as *"had been drinking"* in 1988 and 1989, **16-24 year-olds** were most numerous (37.5%); next most frequent were 25-34 year-olds (35%) and 35-44 year-olds (15%) [Tables 2A & 2B].

*** Compared to their numbers in the *licensed driver population*, **16-24** year-olds and **25-34** year-olds were **overrepresented** among crash-involved drinking drivers. For example, the percentage of 16-24 year-olds among crash-involved drinking drivers (33%) was **more than twice** their percentage in the licensed driver population (15%) [Tables 7A & 7B].

2.3 Hour, Day, and Month of Crashes Involving Drinking Drivers

Drinking drivers crash at all hours, any day of the week, every month of the year -- *but more often during some times than others.*

*** In 1988 and 1989 combined, 69% of drinking drivers were involved in crashes in the nine-hour period between 6 p.m. and 3 a.m. [Tables 3A & 3B].

*** Almost two-thirds (66%) of drinking drivers (as reported by police) were involved in crashes on Friday, Saturday, or Sunday [Tables 4A & 4B].

*** Numbers of crash-involved drinking drivers are usually greater in the summer months than in winter months. In the two-year period 1988-89, police reported *28% more drinking drivers* were involved in personal injury crashes during June, July, and August than in January, February, and December. The number of drinking drivers involved in fatal crashes during the summer months was 59% higher than during the winter months [Tables 5A & 5B].

2.4 Ontario Counties and Regional Municipalities

*** Not surprisingly, the greater the population of a county or regional municipality, the greater the number of drivers involved in traffic crashes. Thus, **numbers** of normal and drinking drivers involved in crashes increase with increasing population. During 1989, the number of drinking drivers in crashes ranged from 40 (Rainy River) to 4,172 (Metropolitan Toronto and York Region combined) [Table 10B].

*** In general, the **percentage** of crash-involved drivers reported by police to have consumed alcohol (*had been drinking, ability impaired*) **decreases** with increasing population. For example, in 1988, Metropolitan Toronto and York Region had the largest population (2.5 million) and the lowest **percentage** of drinking drivers among crash-involved drivers (3.5%). The county of Manitoulin had the smallest population (6,771) and the highest percentage of crash-involved drinking drivers (17.5%) [Table 10A].

*** During 1988 in Ontario, the average number of crash-involved *drinking* drivers per 1,000 population was **2.0**. Rates varied by county and regional municipality, ranging from 1.4 crash-involved drinking drivers per 1,000 population in Ottawa-Carleton to 6.5 drinking drivers per 1,000 population in Manitoulin [Table 10A].

*** For comparison, during 1988 in Ontario, the average number of crash-involved *normal* drivers per 1,000 population was **37.7**. Rates of crash-involved drivers reported as normal also varied by jurisdiction. Rates ranged from 18.7 normal drivers per 1,000 population in Prince Edward County to 47.0 normal drivers per 1,000 population in Kenora [Table 10A].

2.5 Trends in Drinking and Driving

*** Since 1980 in Ontario, the annual number of crash-involved drinking drivers has dropped substantially. In 1980, police reported 30,101 drivers as "had been drinking" or "impaired". In 1989, police reported **42% fewer** drinking drivers (17,488) [Table 6]. In contrast, the number of crash-involved drivers reported as "normal" **increased 32%**: from 283,005 in 1980 to 373,655 in 1989 [Table 1].

*** From 1980 to 1989, the number of people licensed to drive in Ontario increased by 26% (from 4.99 to 6.29 million). **Despite this increase, the number of crash-involved drinking drivers decreased.** As a result, the number of crash-involved drinking drivers *per 1,000 licensed drivers* fell by **58%** (from 6.63 to 2.78) [Table 6].

*** Among all crash-involved drivers reported by police, the percentage of *drinking drivers* has dropped steadily, from **9.6% in 1980** to a ten-year low of **5.5% in 1989**.

*** Only persons *fatally injured* in traffic crashes are *routinely* tested for alcohol use. Among those most frequently tested are **automobile** drivers who are 16 years of age or older and who die within 6 hours of crash involvement. This is one of the most reliable indicators of alcohol involvement in traffic crashes. The percentage of automobile driver fatalities with BACs over 80 mg% has dropped from 49.2% of those tested in 1980 to **29.5%** in 1989 – **the lowest figure reported since these data became available in Ontario**.

3.0 STATISTICS ON DRINKING AND DRIVING: 1988-1989

3.1 Sources of Statistics

Statistics for this report were compiled from a number of sources. Again this year, detailed information on drivers involved in traffic crashes received from the Ontario Ministry of Transportation comprise the primary source of data. These data come from Motor Vehicle Accident Reports completed by investigating police officers. Because the focus of this report is on **drinking drivers** involved in traffic crashes, these statistics complement those published each year by the Ministry of Transportation in the Ontario Road Safety Annual Report (available from the Safety Co-ordination and Development Office of the Ministry). Although derived from the same source, the numbers in this report do not necessarily match those reported by the Ministry of Transportation in the Ontario Road Safety Annual Report. The disparities are, however, nominal (i.e., less than 1%) and are a result of slightly different criteria used to select cases for inclusion.

Statistics from the Fatality Database developed and maintained by the Traffic Injury Research Foundation of Canada (TIRF), and funded jointly by Transport Canada and the Canadian Council of Motor Transport Administrators, are also presented. Based on reports by coroners and toxicologic tests for alcohol in blood, the Fatality Database contains information on the presence *and the amount* of alcohol consumed by drivers fatally injured in traffic crashes. In reporting these data, only drivers of highway vehicles (operators of farm tractors, snowmobiles, and bicycles are excluded), 16 years of age and over, dying within 6 hours of crash involvement are included. These data have been collected in Ontario since 1973 and are used to describe trends in drinking driver fatalities.

Ontario data from the Canadian Centre for Justice Statistics (CCJS) on the number of persons charged with impaired-driving offences are also summarized. Similar data from previous years are used to describe the changing pattern of impaired driving charges in Ontario.

3.2 Drinking/Driving Statistics: Definitions

To aid in the understanding and interpretation of the numbers contained in this report, the following definitions and descriptive comments are provided.

3.2.1 Drivers Involved in Traffic Crashes. Data on the number of **drivers** involved in traffic crashes reported by police are the basis from which information about drinking drivers is derived. It is important to bear in mind that drivers, not crashes, form the basic "unit of analysis". For example, in any given crash reported by the police, there may be more than one driver involved. Information about alcohol use is reported for every driver, even if there are several drivers involved in the crash. Counting drivers, not crashes, may appear to underestimate the extent of the alcohol-crash problem, but more accurately reflects the extent of alcohol use by drivers who become involved in crashes.

Drivers involved in crashes are then divided into three groups on the basis of information about their use of alcohol as reported by investigating police officers:

o **Normal** (NOR): Driver's condition was apparently normal; i.e., in the opinion of the investigating officer, the driver had *not* been drinking.

o **Had Been Drinking** (HBD): Driver had consumed alcohol but, in the opinion of the investigating officer, did not have a blood alcohol concentration (BAC) over the legal limit, nor was the driver otherwise impaired by alcohol.

o **Ability to Drive Impaired by Alcohol** (IMP): Driver had a BAC over the legal limit (80 mg%) or was judged impaired by alcohol by the investigating officer.

In addition, drivers in the second and third groups above have been combined in a category termed **Drinking Drivers** (D/D). The term *drinking drivers*, then, refers to all crash-involved drivers reported to have consumed alcohol, that is, to have a positive BAC.

Information about the severity of crashes in which drivers were involved correspond to those used by the police and the Ministry of Transportation.

o **Property Damage**: Crashes that result in damage to property but no reported injury to persons involved. Crashes causing $700 or more damage are by law "reportable" by police.

o **Personal Injury**: Crashes that result in injury to one or more persons involved, but no person *died* of injuries sustained in the crash within thirty days. Of course, personal injury crashes usually cause damage to property, too.

o **Fatal**: One or more persons involved in a crash die of the injuries sustained, within thirty days. Nonfatal injury to others as well as property damage may also occur in such crashes.

3.2.2 Drivers Fatally Injured in Traffic Crashes. In Ontario, most drivers killed in traffic crashes are tested for the presence and amount of alcohol. Especially for drivers dying within a few hours of crash involvement, tests for alcohol are routine. In this report, data on alcohol use among drivers of *highway vehicles* (operators of farm tractors, snowmobiles, and bicycles are excluded), who were *16 years of age or older*, and who died within *six hours* of crash involvement are included. Data on alcohol use by fatally injured drivers come from the TIRF Fatality Database.

3.2.3 Persons Charged with Impaired-driving Offences. As reported by the Canadian Centre for Justice Statistics, the number of "persons charged" with impaired driving offences does not represent an "unduplicated count" of *individuals* charged in a year. Thus, a person charged on more than one occasion will be counted every time they are charged by the police with an impaired driving offence. "Impaired-driving offences" include *driving while impaired, over 80 mg%*, and *failing or refusing to provide a breath sample* -- for the years 1974 - 1985 -- and, for 1986 through 1989, the additional offences of *impaired operation of a motor vehicle, vessel, or aircraft* (i.e., impaired operation causing death, causing bodily harm, or over 80 mg%) and *failing or refusing to provide a breath or blood sample*. **Rates** of persons charged with such offences are the *number of persons charged per 100,000 population*.

3.2.4 Measuring the Magnitude of the Problem Over Time. As a means to assess changes in the alcohol-crash problem over time, this report describes trends in such common "indicators" as: (1) the number and percentage of drinking drivers involved in traffic crashes; (2) the number and percentage of driver fatalities with BACs over 80 mg%; and (3) rates of crash-involved drinking drivers per 1,000 population and per 1,000 licensed drivers.

The ratio of crash-involved *drinking* drivers to crash-involved "normal" drivers -- the Problem Index, described in the previous Statistical Yearbook -- is also presented as a measure to track the alcohol-crash problem over time. Because many factors -- such as weather conditions, seasonal patterns of weather and driving, the state of the economy -- can influence the total number of traffic crashes, simply counting the number of drinking drivers involved in crashes would not reveal whether changes from year to year were the result of specific drinking-driving countermeasure efforts or a consequence of the many other conditions and forces that may have caused the number of all crashes to change. The ratio of drinking driver crashes to nondrinking driver crashes, however, essentially controls for factors that exert a general influence on motor vehicle crash rates and permits an assessment of the extent to which the number of crash-involved drinking drivers has changed **relative to** the number of crash-involved "normal" drivers. Drinking-driving countermeasure efforts would be expected to have a differential impact on crashes involving drinking drivers; if this occurred, it would be shown by a decrease in the Problem Index.

In the following sections, the drinking-driving statistics described above are presented to review the magnitude and characteristics of the problem in Ontario during 1988 and 1989, differences among counties and regional municipalities, and trends in drinking and driving. Detailed tables containing the data described in the following sections are presented in Appendix A. Statistics for each county and regional municipality are presented in Appendix B.

3.3 Magnitude of the Problem and Characteristics of Crash-Involved Drivers

Figures 1a and 1b (1988 and 1989, respectively) show the percent of drivers involved in traffic crashes in Ontario reported as normal, had been drinking (HBD), or ability impaired by alcohol. About 4.9% of **all** crash-involved drivers in 1988 (19,819) and 3.5% (17,488) in 1989 were reported to have consumed alcohol prior to the crash (i.e., had been drinking and impaired, combined).

Figures 2a and 2b show the distribution of crashes involving drinking drivers and normal drivers across the four seasons. If collisions were evenly distributed across the seasons, then 25% of them would occur in each season. (The line denoting the average illustrates this). Values above the line show a greater percent than expected; values below it, a lower than expected frequency. As can be seen, normal drivers have more of their crashes in winter (December, January, and February) and less than expected in the spring (March, April, and May). Drinking drivers crash more frequently in the summer (June, July, and August) and fall (September, October, and November) and less frequently in the winter. The smaller number of drinking drivers in crashes during winter may, to some extent, reflect the impact of drinking-driving countermeasures.

Figures 3a and 3b group normal and impaired drivers by hour of crash for 1988 and 1989, respectively. In both years, the majority of drivers reported by police as normal crashed between 9 a.m. and 3 p.m. In contrast, most impaired drivers crashed between 6 p.m. and midnight.

Figures 4a and 4b present the percentage of drinking and normal drivers involved in crashes according to day of week for 1988 and 1989, respectively. From Monday to Thursday, the percent of normal drivers involved in crashes exceeds that of drinking drivers. On Saturday and Sunday, however, a greater proportion of crashes involving drinking drivers occur. Over 25% of the collisions of drinking drivers occur on Saturday, primarily during early morning and late evening hours.

Figure 5 shows the percentage of each age group among crash-involved drivers judged impaired by police in 1988 and 1989. *Drivers age 25-34 accounted for over one-third of crash-involved impaired drivers in both 1988 and 1989.* Drivers

age 19-24 were the second largest group in both years, accounting for just over 20% of all crash-involved impaired drivers. The youngest (i.e., 16-18 years) and oldest groups (over 65 years) comprised the smallest proportions of crash-involved impaired drivers in both years.

Figures 6a and 6b (for male drivers) and Figures 7a and 7b (for female drivers) present comparative information on different age groups in the licensed-driver and crash-involved populations for 1988 and 1989, respectively. The vertical axis indicates the percentage of each population that an age group represented in each year. Figures 6a and 6b show that in both 1988 and 1989 male drivers aged 16-18, 19-24 and 25-34 were overrepresented both among crash-involved drinking drivers and normal drivers, relative to their representation in the male licensed driver population. For example, 19-24 year old males comprised 12% of all male licensed drivers in 1988 but 27% of all male crash-involved drinking drivers. A very similar pattern is evident for female drivers in both 1988 and 1989 (Figures 7a and 7b, respectively). Female drivers age 16-18, 19-24, and 25-34 are overrepresented among crash-involved drinking and normal drivers, relative to their representation in the female licensed driver population.

Figure 8 displays the "Problem Index" (PI) for each age group of crash-involved drivers in 1987, 1988, and 1989. The Problem Index is simply the number of crash-involved drinking drivers divided by the number of crash-involved normal drivers with the result multiplied by 100. The PI indicates the degree to which drinking and driving is a problem in each age group. Drivers age 19-24 and 25-34 have the highest PIs among all age groups.

Combining all age groups gives a PI value for the province as a whole; this dropped steadily from 1987 through 1989.

Figure 1a
Condition of Drivers Involved in Traffic Crashes (1988)

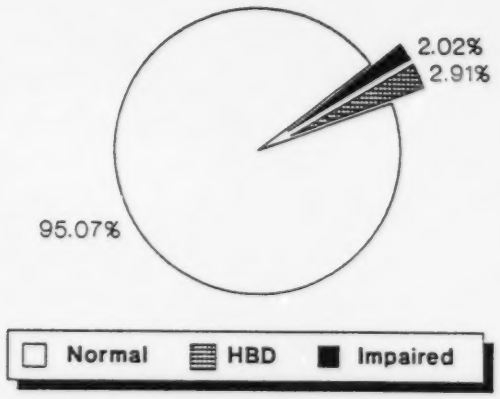


Figure 1b
Condition of Drivers Involved in Traffic Crashes (1989)

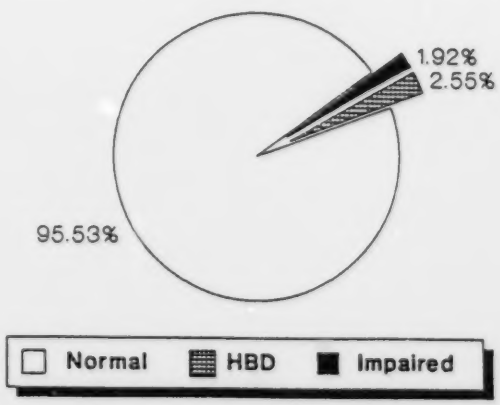


Figure 2a

Normal and Drinking Drivers in Crashes: Drivers Grouped By Season (1988)

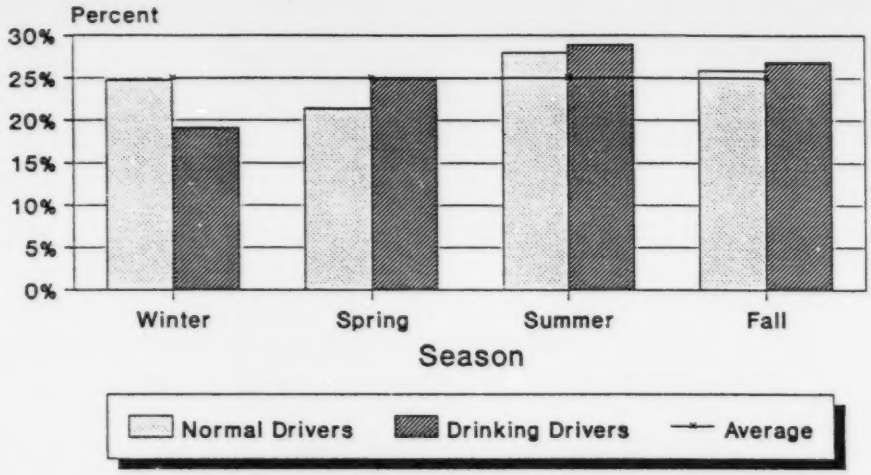


Figure 2b

Normal and Drinking Drivers in Crashes: Drivers Grouped By Season (1989)

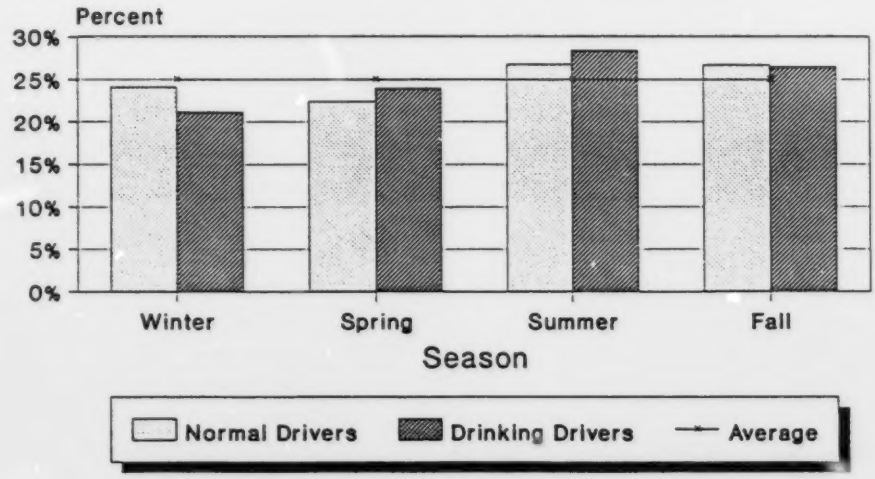


Figure 3a
Normal and Drinking Drivers Grouped by Hour of Crash (1988)

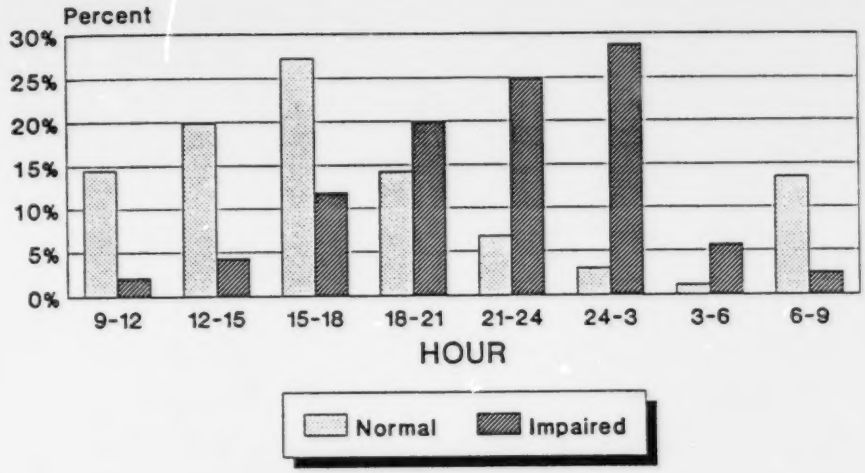


Figure 3b
Normal and Drinking Drivers Grouped by Hour of Crash (1989)

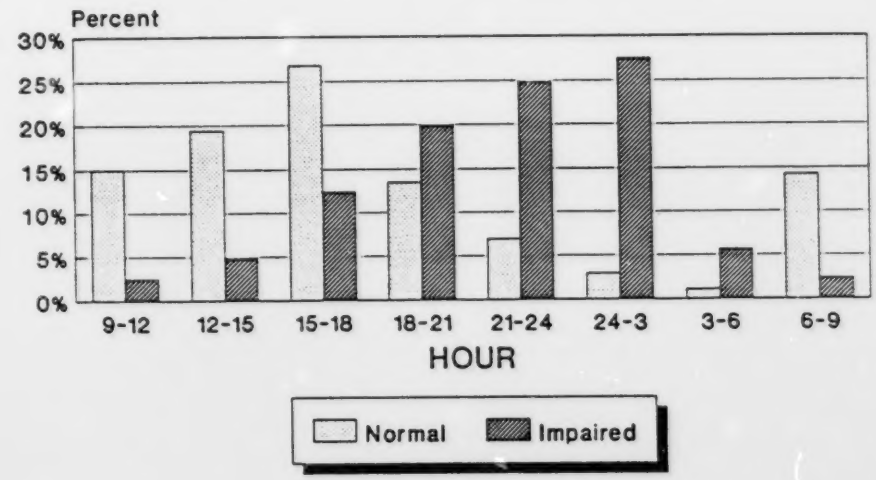


Figure 4a

Drinking Drivers Involved in Crashes: Drivers Grouped by Day of Week, 1988

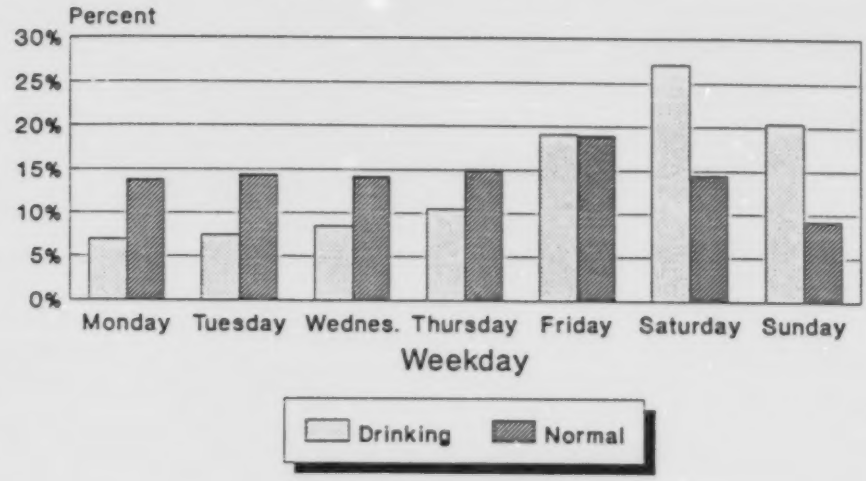


Figure 4b

Drinking Drivers Involved in Crashes: Drivers Grouped by Day of Week, 1989

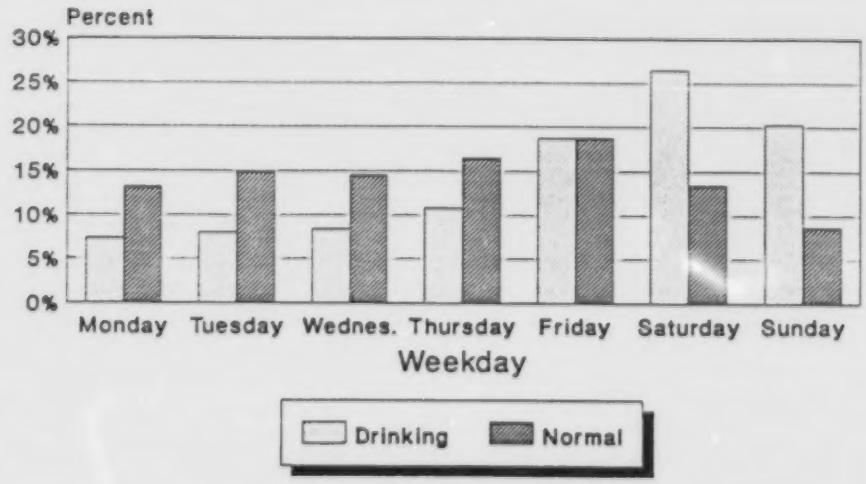


Figure 5

Crash-Involved Drivers Judged Impaired by Alcohol: Drivers Grouped by Age

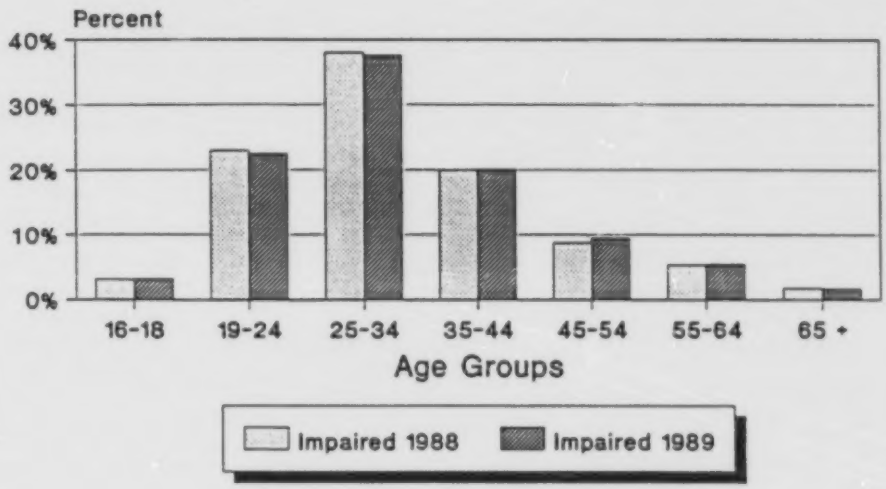


Figure 6a

Percentage of Age Groups as Licensed and Crash-Involved Male Drivers, 1988

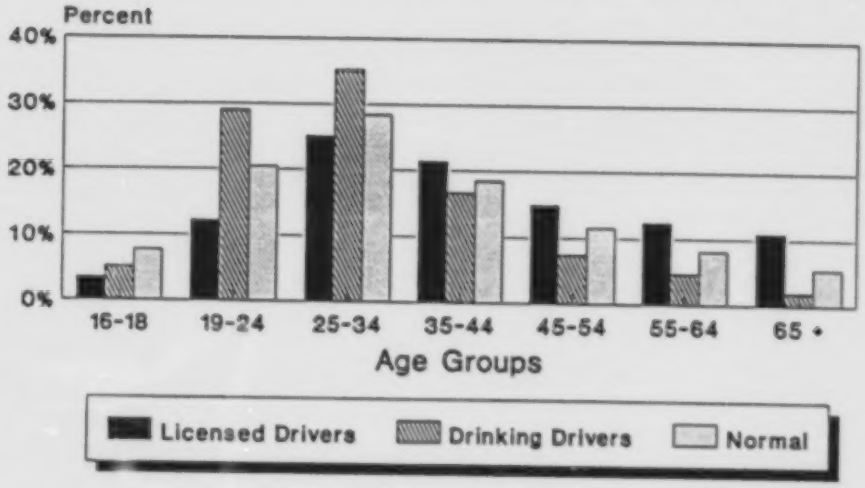


Figure 6b

Percentage of Age Groups as Licensed and Crash-Involved Male Drivers, 1989

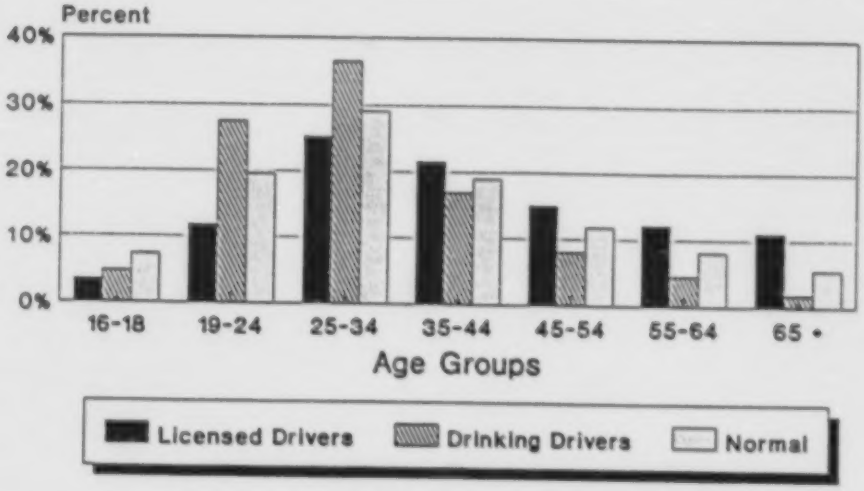


Figure 7a

Percentage of Age Groups as Licensed and Crash-Involved Female Drivers, 1988

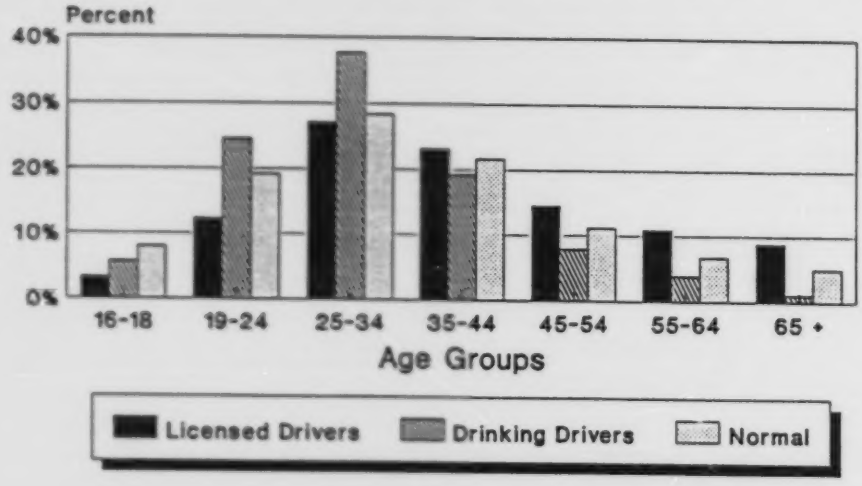


Figure 7b

Percentage of Age Groups as Licensed and Crash-Involved Female Drivers, 1989

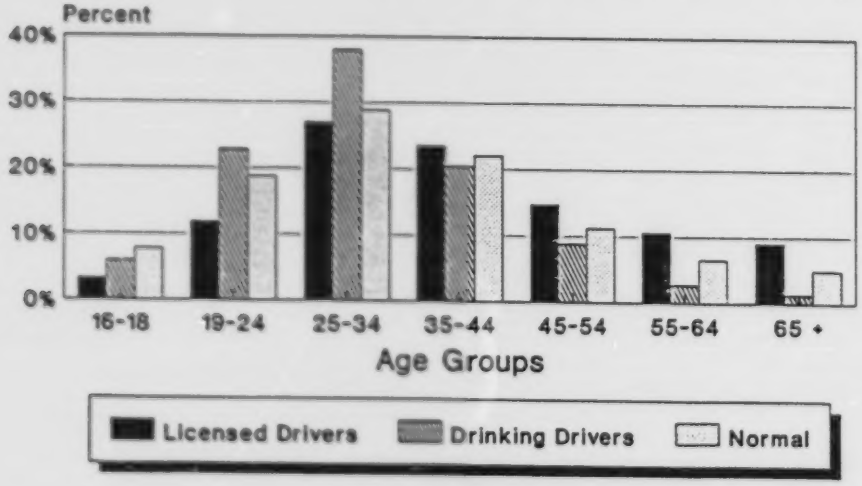
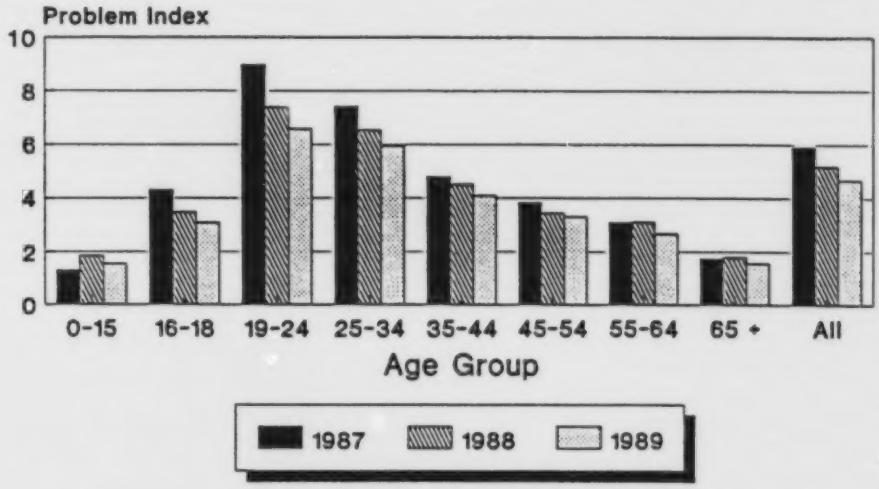


Figure 8

Drivers Involved in Traffic Crashes: Ratio of Drinking to Normal Drivers



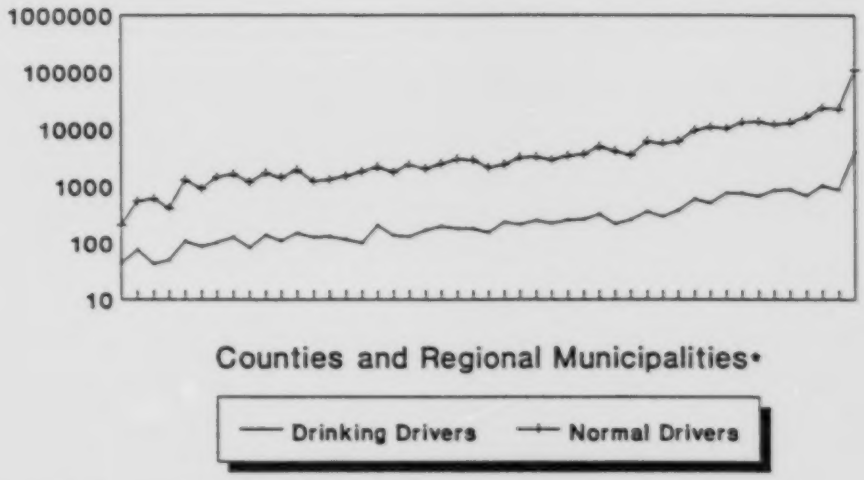
3.4 The Problem of Drinking and Driving in Ontario: Counties and Regional Municipalities

Although the problem of drinking and driving exists throughout the province, its magnitude varies considerably among counties and regional municipalities. It is perhaps not surprising that the police report greater numbers of crash-involved drinking drivers in areas with greater populations. For example, in Figures 9a and 9b, the numbers of normal and drinking drivers involved in crashes are displayed for counties and regional municipalities, ordered by increasing population, for 1988 and 1989, respectively. As population increases, so too do the numbers of both normal and drinking drivers involved in crashes. Note that the numbers on the vertical axis increase by a factor of 10 (i.e., log scale). While this allows the numbers to be displayed on a single graph, it compresses the magnitude of the differences in the number of crashes between regions. For example, the number of drinking driver crashes in 1988 (Figure 9a) varies from 43 in Rainy River to 4,029 in Metropolitan Toronto and York County. (The actual number of crash-involved normal and drinking drivers for each county and regional municipality in 1988 and 1989 can be found in Appendix A, Tables 10A and 10B, and in more detail in Appendix B).

Figures 10a and 10b chart rates of crash-involved drinking and normal drivers per 1,000 population for each county and regional municipality in 1988 and 1989, respectively. Again, counties and regional municipalities are arranged in order of increasing population. In both 1988 and 1989, areas with greater populations generally had higher rates of crash-involved normal drivers and lower rates of crash-involved drinking drivers. Some areas with small populations had high rates of crashes for both normal and drinking drivers.

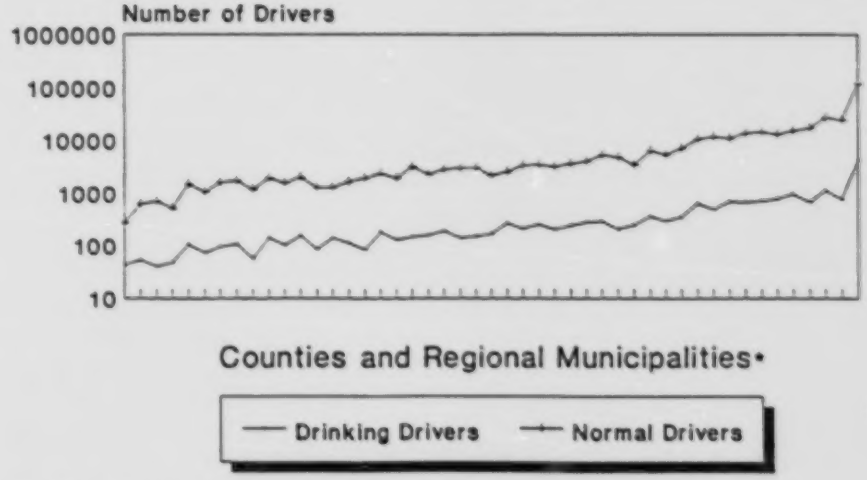
Figures 11a and 11b display the Problem Index -- the ratio of drinking to normal drivers involved in crashes -- for counties and regional municipalities for 1988 and 1989, respectively. As in previous figures, counties and regional municipalities are arranged in order of increasing population. In general, there is a tendency for jurisdictions with greater populations to have lower PI values.

Figure 9a
Number of Drinking and Normal Drivers Involved in Traffic Crashes, 1988



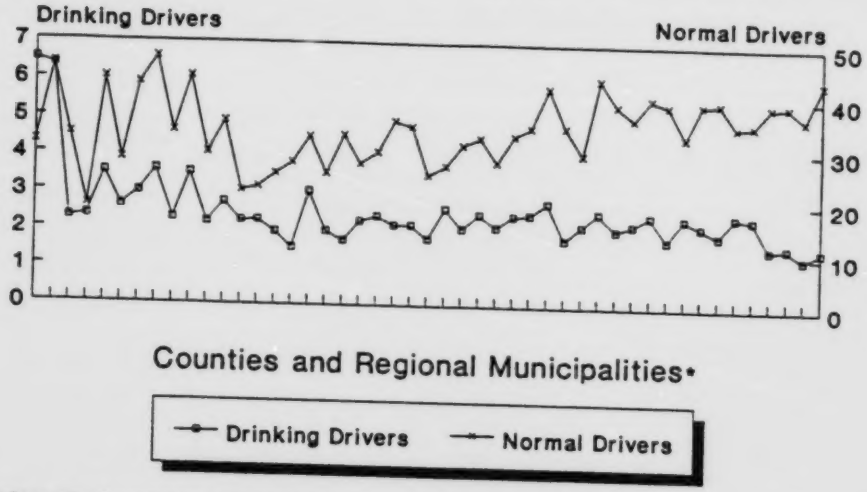
• ordered by increasing population

Figure 9b
Number of Drinking and Normal Drivers Involved in Traffic Crashes, 1989



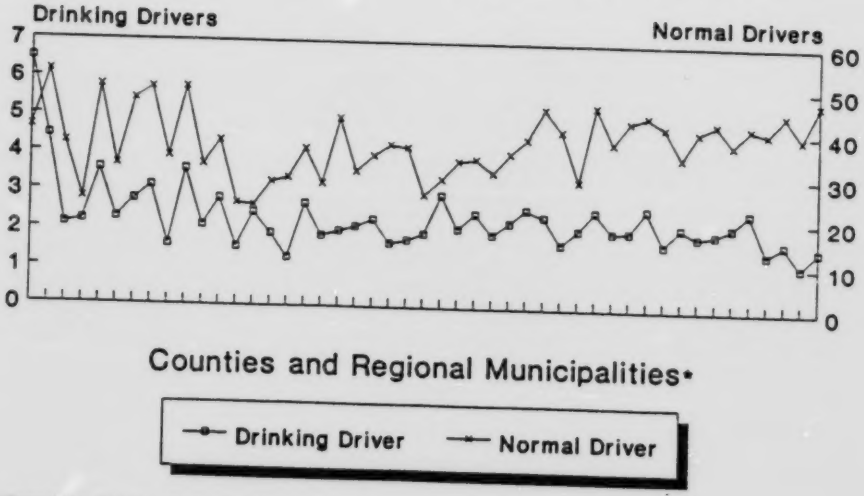
• ordered by increasing population

Figure 10a
Crash-Involved Drinking and Normal Drivers Per 1,000 Population, 1988



• ordered by increasing population

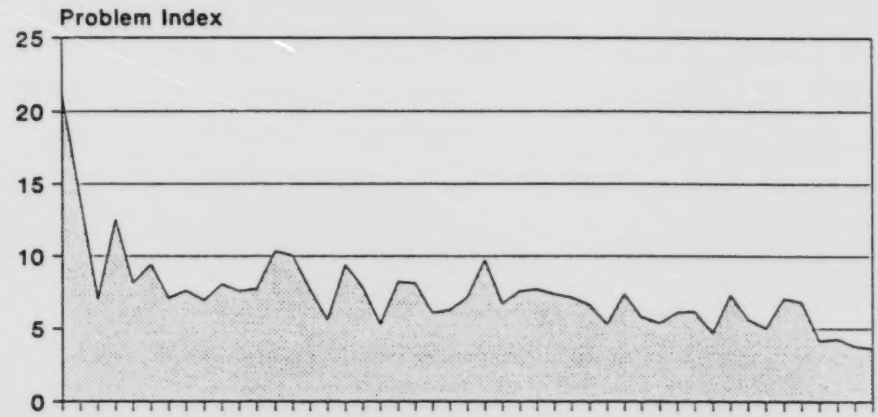
Figure 10b
Crash-Involved Drinking and Normal Drivers Per 1,000 Population, 1989



• ordered by increasing population

Figure 11a

Indexing the Problem of Drinking and Driving: The Problem Index 1988

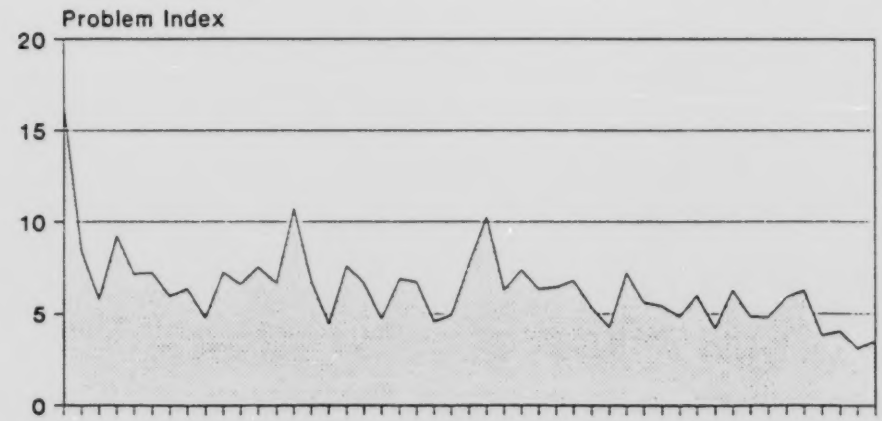


Counties and Regional Municipalities•

• ordered by increasing population

Figure 11b

Indexing the Problem of Drinking and Driving: The Problem Index 1989



Counties and Regional Municipalities•

• ordered by increasing population

3.5 Trends in Drinking and Driving in Ontario

This section examines trends in drinking and driving in Ontario over the past several years using a number of indicators of the problem.

Figure 12 displays the number of crash-involved drinking male and female drivers from 1980 through 1989. The actual number of crash-involved drinking drivers declined from over 30,000 in 1980 to 17,488 in 1989 -- **a 42% decrease!** The decrease was greater for male crash-involved drinking drivers (a 43% decline) than for females (30%). However, the large decreases in the number of crash-involved drinking drivers evident during the early 1980s have leveled off and *since 1986, the annual number of crash-involved drinking drivers has remained relatively stable.*

Other indicators reveal a similar trend. Figure 13 presents trends in two different rates -- the number of crash-involved drinking drivers per 1,000 licensed drivers and per 1,000 population, from 1980 though 1989. During this period, the number of crash-involved drinking drivers per 1,000 licensed drivers dropped 58%, from 6.63 to 2.78; the rate per 1,000 population fell 45%, from 3.50 to 1.92. Again, however, the rather dramatic decreases observed in the early 1980s slowed later in the decade. Since 1986, the number of crash-involved drinking drivers per 1,000 licensed drivers decreased by 9%; the rate per 1,000 population has declined by only 1%.

Figure 14 presents the annual number of crash-involved normal and drinking drivers from 1980 through 1989. While Figures 12 and 13 showed sizable decreases in the number and rates of drinking drivers involved in crashes in the 1980s, these reductions pale by comparison to the magnitude of the *increase* in the number of crash-involved normal drivers. Since 1983, the number of crash-involved normal drivers has increased by 41% (from 264,795 to 373,655). Thus the decrease in crash-involved drinking drivers must be viewed against a backdrop of an increase in the number of crashes involving nondrinking drivers. When these two opposite trends are combined, they produce the dramatic decrease in the Problem Index also shown in Figure 14.

The real success of drinking-driving countermeasures during the 1980s is perhaps not so much demonstrated by the small, but significant, reductions in the number of crash-involved drinking drivers but, rather, in the fact that such crashes *did not increase* along with the number of crash-involved normal drivers.

Another indicator of the magnitude of the alcohol-crash problem is data on alcohol use among **automobile** driver fatalities. Figure 15 displays the number of nondrinking (i.e., zero BAC) driver fatalities and those with BACs in excess of the legal limit (i.e., 80 mg%) in Ontario from 1973 through 1989. Of interest, in almost every year prior to 1982, the number of fatally injured drivers with BACs over 80 mg% exceeded the number of nondrinking driver fatalities. Since then, the number of driver fatalities with illegal BACs has dropped 24% -- from 159 in 1982 to 121 in 1989. In contrast, over the same period of time, the number of nondrinking driver fatalities has increased 49% -- from 168 in 1982 to 251 in 1989.

The number of persons charged with impaired driving offences each year is another indicator of trends in drinking and driving. While these data will undoubtedly include some individuals who are charged with impaired driving on more than one occasion in a year, they do reflect the number of times a police officer arrests and charges a driver with an impaired driving offence. Figure 16 presents these data for Ontario from 1974 through 1989. Also included is the rate (i.e., the number of persons charged per 100,000 population). Until 1984, the annual number of persons charged in Ontario with impaired driving stayed fairly constant, ranging from 42,900 in 1976 to 46,700 in 1981. Since 1984, however, the number of persons charged has declined. In 1989, 37,969 persons were charged with an impaired driving offence in Ontario. It is of interest to note, however, that Ontario was the only province in Canada to record an increase in the number of persons charged from 1988 to 1989.

Interpreting changes in these data is not without problems. First, law enforcement statistics do not measure the frequency of impaired driving behaviour, a task for which roadside surveys are better suited. Second, enforcement practices may have a profound effect on the number of persons who are charged. For example, decreased enforcement would likely reduce the number of persons charged, without necessarily affecting the number of persons who drive after drinking. Decreased enforcement would, therefore, help explain

the reduction in charges witnessed over the past several years. But compared to previous years, the increased use of roadside checkstops in Ontario has actually increased enforcement levels. These high profile roadside checkstops -- often referred to as the RIDE program -- when combined with extensive media coverage, may actually serve to deter some individuals from driving after consuming alcohol. In any event, caution is urged in interpreting the meaning of charge statistics.

Figure 12
Number of Drinking Drivers Involved in Traffic Crashes, 1980-1989

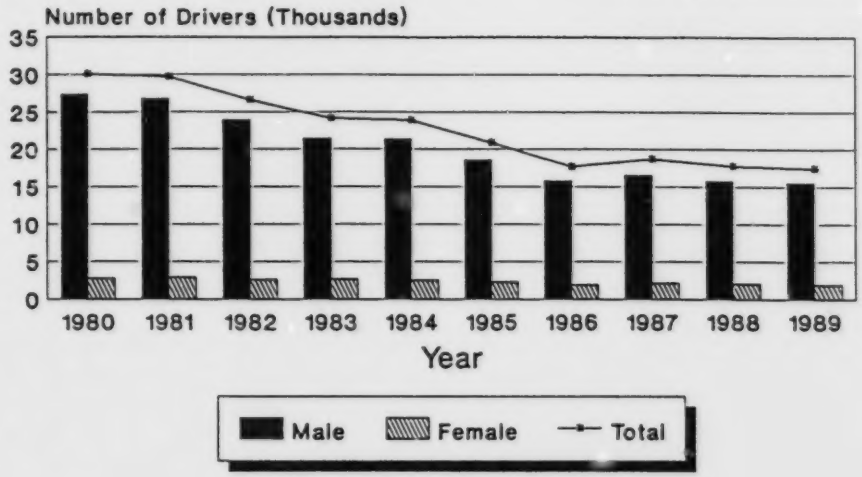


Figure 13
Trends in Rates of Crash-Involved Drinking Drivers, 1980-1989

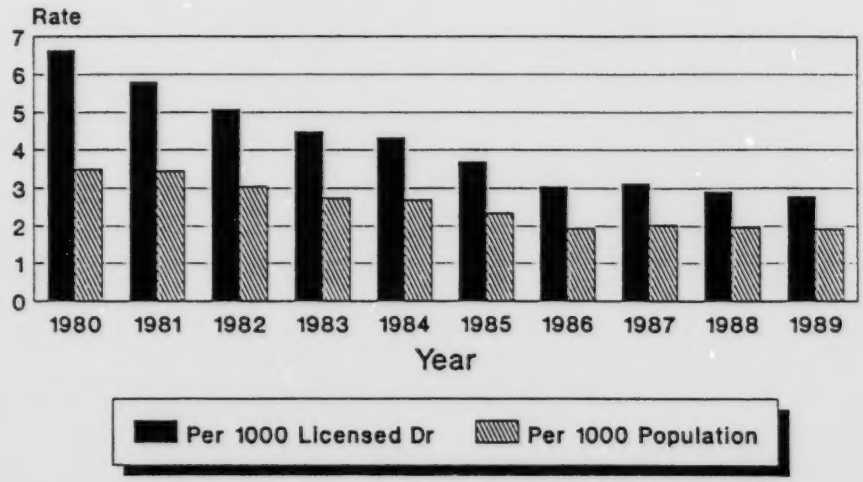


Figure 14
Drinking and Normal Drivers in Traffic Crashes, 1980-1989

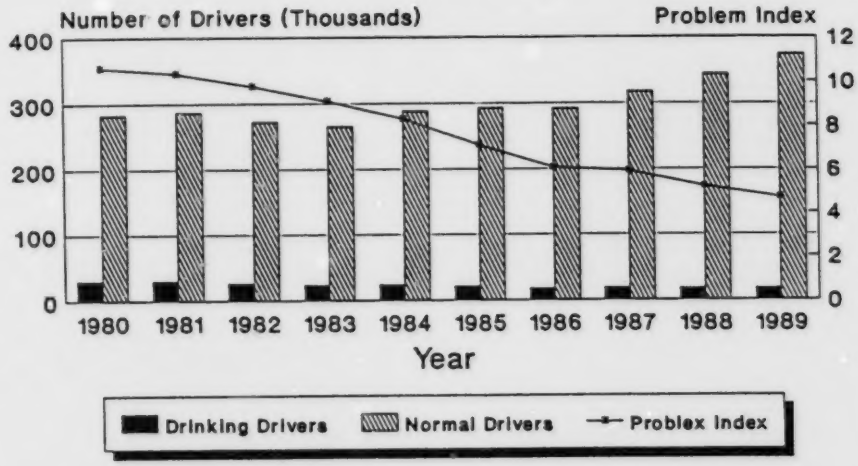


Figure 15
Alcohol Use Among Automobile Driver Fatalities in Ontario

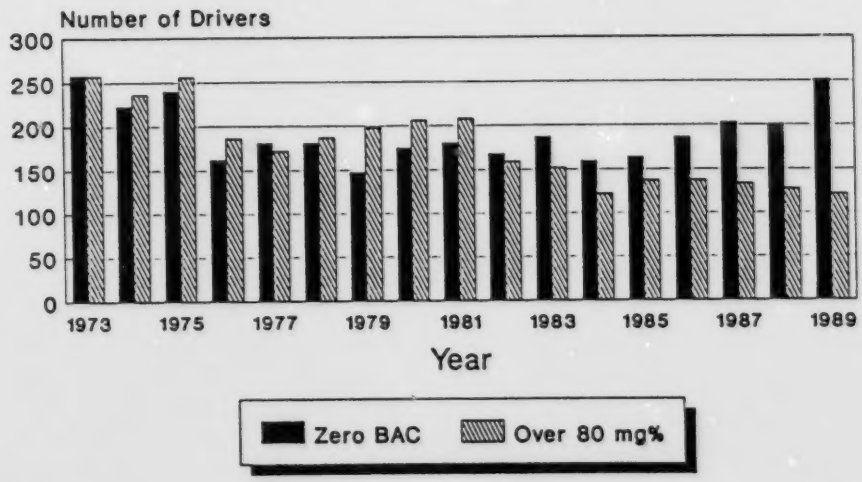
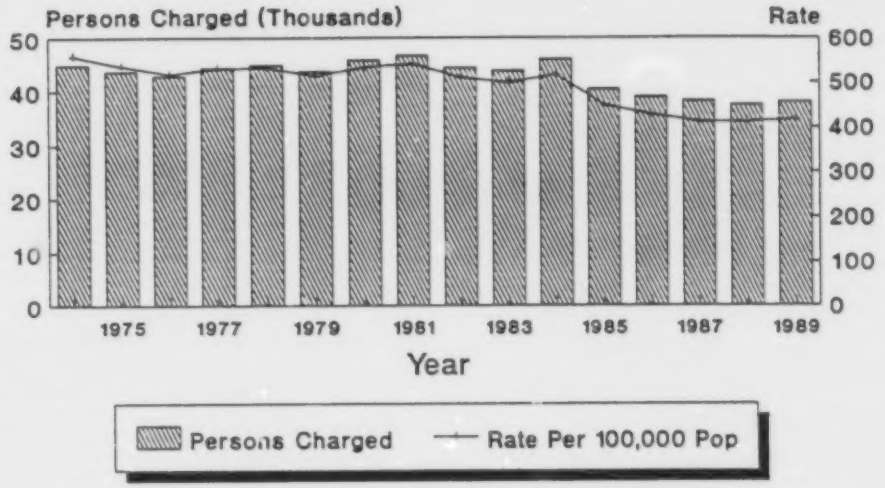


Figure 16
Persons Charged with Impaired-Driving Offences, 1974-1989



SOURCES OF MORE INFORMATION

Readers wishing more information on drinking and driving may either contact the Office of Drinking/Driving Countermeasures or refer to publications listed below.

CONTACT:
Office of Drinking/Driving Countermeasures
Ministry of the Attorney General
720 Bay Street, 3rd Floor
M5G 2K1
Tel: (416) 326-4408

REFERENCES

*** **Ontario Road Safety Annual Report for 1988-89,**
Ministry of Transportation.

Source: Transportation Regulation Development Branch
Safety Co-ordination and Development Office
West Building
1201 Wilson Avenue
Downsview, Ontario
M3M 1J8
Tel: (416) 235-3585

*** **Impaired Driving Statistics, 1989**
Juristat Service Bulletin, Vol. 10, No. 17, October, 1990.
(Catalogue 85-002)

Source: Statistics Canada

This and other Statistics Canada publications may be purchased from local authorized and other community bookstores, through local Statistics Canada offices, or by mail order to Publication Sales and Services, *Ottawa, K1A 0T6.*

*** **Alcohol Use By Persons Fatally Injured in Motor Vehicle Accidents: 1988 and the Past Ten Years**
(Leaflet TP2436)

Source: Road Safety and Motor Vehicle Regulation Directorate
Transport Canada
Canada Building
344 Slater Street
Ottawa, Ontario
K1A 0N5

APPENDIX A

DRINKING AND DRIVING IN ONTARIO

1988 - 1989 STATISTICS

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DRIVERS INVOLVED IN TRAFFIC CRASHES
ONTARIO, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	9084	4978	14062	139166	8389	4303	12692	70433	272	321	593	940	17745	9602	27347	210539
1981	8951	4965	13916	140433	8193	4187	12380	70773	213	287	500	907	17357	9439	26796	212113
1982	7984	4319	12303	133222	7393	3786	11179	66244	182	267	449	763	15559	8372	23931	200229
1983	6811	3923	10734	125835	6653	3568	10221	65271	162	319	481	820	13626	7810	21436	191926
1984	6822	3931	10753	135973	6465	3641	10106	71168	190	264	454	851	13477	7836	21313	207992
1985	5302	3244	8546	127478	6041	3562	9603	81791	162	243	405	833	11505	7049	18554	210102
1986	4370	2816	7186	124164	4869	3364	8233	81920	135	254	389	842	9374	6434	15808	206926
1987	4562	2947	7509	132016	5005	3680	8685	90362	133	259	392	939	9700	6886	16586	223317
1988	4800	3216	8016	156928	4271	3110	7381	82678	144	231	375	905	9215	6557	15772	240511
1989	4861	3403	8264	174450	3769	3201	6970	83832	177	145	322	964	8807	6749	15556	259246
Female																
1980	861	388	1249	46181	1084	367	1451	26057	30	24	54	228	1975	779	2754	72466
1981	929	462	1391	47595	1097	403	1500	26669	23	21	44	188	2049	886	2935	74452
1982	911	364	1275	46395	992	341	1333	25229	21	28	49	171	1924	733	2657	71795
1983	888	402	1290	46283	981	362	1343	26357	14	20	34	229	1883	784	2667	72869
1984	851	438	1289	51207	869	373	1242	28600	26	18	44	221	1746	829	2575	80028
1985	680	376	1056	48541	858	351	1209	34123	17	23	40	218	1555	750	2305	82882
1986	519	332	851	48940	688	345	1033	35899	8	23	31	229	1215	700	1915	85068
1987	542	338	880	53192	829	396	1225	40537	18	28	46	277	1389	762	2151	94006
1988	635	371	1006	64388	644	365	1009	38244	19	13	32	248	1298	749	2047	102880
1989	591	382	973	74118	575	355	930	40022	14	15	29	269	1180	752	1932	114409
Total																
1980	9945	5366	15311	185347	9473	4670	14143	96490	302	345	647	1168	19720	10381	30101	283005
1981	9880	5427	15307	188028	9290	4590	13880	97442	236	308	544	1095	19406	10325	29731	286565
1982	8895	4683	13578	179617	8385	4127	12512	91473	203	295	498	934	17483	9105	26588	272024
1983	7699	4325	12024	172118	7634	3930	11564	91628	176	339	515	1049	15509	8594	24103	264795
1984	7673	4369	12042	187180	7334	4014	11348	99768	216	282	498	1072	15223	8665	23888	288020
1985	5982	3620	9602	176019	6899	3913	10812	115914	179	266	445	1051	13060	7799	20859	292984
1986	4889	3148	8037	173104	5557	3709	9266	117819	143	277	420	1071	10589	7134	17723	291994
1987	5104	3285	8389	185208	5834	4076	9910	130899	151	287	438	1216	11089	7648	18737	317323
1988	5435	3587	9022	221316	4915	3475	8390	120922	163	244	407	1153	10513	7306	17819	343391
1989	5452	3785	9237	248568	4344	3556	7900	123854	191	160	351	1233	9987	7501	17488	373655

KEY: HBD -- Drivers reported by police to have been drinking
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

TABLE 2A. AGE OF DRIVERS INVOLVED IN TRAFFIC CRASHES: ONTARIO, 1988

Sex & Age	No. of Licensed Drivers	Property Damage				Personal Injury				Fatal				Total			
		HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																	
0-15	0	12	4	16	330	13	3	16	1305	0	0	0	17	25	7	32	1652
16-18	116790	295	96	391	11734	295	95	390	6500	10	14	24	71	600	205	805	18305
19-24	412791	1544	723	2267	31180	1430	734	2164	17344	59	71	130	142	3033	1528	4561	48666
25-34	847181	1559	1203	2762	44746	1443	1226	2669	22729	39	82	121	251	3041	2511	5552	67726
35-44	719104	692	656	1348	29260	628	582	1210	14748	14	36	50	159	1334	1274	2608	44167
45-54	500951	373	282	655	18088	225	264	489	9199	12	13	25	110	610	559	1169	27397
55-64	417975	219	183	402	12868	164	159	323	6567	5	9	14	76	388	351	739	19511
65+	366964	106	69	175	8722	73	47	120	4286	5	6	11	79	184	122	306	13087
Total	3381756	4800	3216	8016	156928	4271	3110	7381	82678	144	231	375	905	9215	6557	15772	240511
Female																	
0-15	0	1	0	1	66	5	1	6	376	0	0	0	5	6	1	7	447
16-18	89172	40	11	51	5072	52	10	62	3065	3	0	3	22	95	21	116	8159
19-24	335702	162	67	229	12017	184	82	266	7556	4	2	6	45	350	151	501	19618
25-34	741335	252	136	388	18263	241	128	369	10730	6	6	12	73	499	270	769	29066
35-44	634737	105	96	201	13957	98	84	182	8212	6	3	9	36	209	183	392	22205
45-54	397152	46	35	81	7205	40	38	78	4171	0	2	2	24	86	75	161	11400
55-64	296291	25	21	46	4481	16	18	34	2391	0	0	0	25	41	39	80	6897
65+	241967	4	5	9	3327	8	4	12	1743	0	0	0	18	12	9	21	5088
Total	2736356	635	371	1006	64388	644	365	1009	38244	19	13	32	248	1298	749	2047	102880
Total																	
0-15	0	13	4	17	396	18	4	22	1681	0	0	0	22	31	8	39	2099
16-18	205962	335	107	442	16806	347	105	452	9565	13	14	27	93	695	226	921	26464
19-24	748493	1706	790	2496	43197	1614	816	2430	24900	63	73	136	187	3383	1679	5062	68284
25-34	1588516	1811	1339	3150	63009	1684	1354	3038	33459	45	88	133	324	3540	2781	6321	96792
35-44	1353841	797	752	1549	43217	726	666	1392	22960	20	39	59	195	1543	1457	3000	66372
45-54	898103	419	317	736	25293	265	302	567	13370	12	15	27	134	696	634	1330	38797
55-64	714266	244	204	448	17349	180	177	357	8958	5	9	14	101	429	390	819	26408
65+	608931	110	74	184	12049	81	51	132	6029	5	6	11	97	196	131	327	18175
Total	6118112	5435	3587	9022	221316	4915	3475	8390	120922	163	244	407	1153	10513	7306	17819	343391

TABLE 2B. AGE OF DRIVERS INVOLVED IN TRAFFIC CRASHES: ONTARIO, 1989

Sex & Age	No. of Licensed Drivers	Property Damage				Personal Injury				Fatal				Total			
		HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																	
0-15	0	13	2	15	275	7	2	9	1315	0	1	1	8	20	5	25	1598
16-18	120080	265	105	370	12411	245	107	352	6332	16	4	20	68	526	216	742	18811
19-24	407811	1499	763	2262	33465	1147	751	1898	16619	65	47	112	144	2711	1561	4272	50228
25-34	874521	1718	1248	2966	50997	1366	1231	2597	23567	58	49	107	276	3142	2528	5670	74840
35-44	746040	718	678	1396	33070	553	615	1168	15370	22	28	50	182	1293	1321	2614	48622
45-54	516791	376	320	696	20489	255	286	541	9671	4	8	12	109	635	614	1249	30269
55-64	420372	173	216	389	14123	139	162	301	6655	7	5	12	84	319	383	702	20862
65+	382226	99	71	170	9620	57	47	104	4303	5	3	8	93	161	121	282	14016
Total	3467841	4861	3403	8264	174450	3769	3201	6970	83832	177	145	322	964	8807	6749	15556	259246
Female																	
0-15	0	4	0	4	78	4	0	4	441	0	0	0	1	8	0	8	520
16-18	92905	39	7	46	5722	51	13	64	3100	2	1	3	21	92	21	113	8843
19-24	333629	160	57	217	13681	155	62	217	7641	2	3	5	45	317	122	439	21367
25-34	759666	214	144	358	21247	218	145	363	11494	5	5	10	76	437	294	731	32817
35-44	663013	104	100	204	16319	100	79	179	8708	4	6	10	59	208	185	393	25086
45-54	415200	36	53	89	8347	38	42	80	4419	1	0	1	25	75	95	170	12791
55-64	300416	17	15	32	4870	8	12	20	2500	0	0	0	20	25	27	52	7390
65+	257600	17	6	23	3854	1	2	3	1719	0	0	0	22	18	8	26	5595
Total	2822429	591	382	973	74118	575	355	930	40022	14	15	29	269	1180	752	1932	114409
Total																	
0-15	0	17	2	19	353	11	2	13	1756	0	1	1	9	28	5	33	2118
16-18	212985	304	112	416	18133	296	120	416	9432	18	5	23	89	618	237	855	27654
19-24	741440	1659	820	2479	47146	1302	813	2115	24260	67	50	117	189	3028	1683	4711	71595
25-34	1634187	1932	1392	3324	72244	1584	1376	2960	35061	63	54	117	352	3579	2822	6401	107657
35-44	1409053	822	778	1600	49389	653	694	1347	24078	26	34	60	241	1501	1506	3007	73708
45-54	931991	412	373	785	28836	293	328	621	14090	5	8	13	134	710	709	1419	43060
55-64	720788	190	231	421	18993	147	174	321	9155	7	5	12	104	344	410	754	28252
65+	639826	116	77	193	13474	58	49	107	6022	5	3	8	115	179	129	308	19611
Total	6290270	5452	3785	9237	248568	4344	3556	7900	123854	191	160	351	1233	9987	7501	17488	373655

TABLE 3A. DRIVERS IN TRAFFIC CRASHES: HOUR OF CRASH - ONTARIO, 1988

Hour of Crash	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
12am-3am	1341	933	2274	5077	1255	882	2137	2913	35	72	107	59	2631	1887	4518	8049
3am-6am	376	169	545	2068	394	177	571	1048	13	16	29	33	783	362	1145	3149
6am-9am	120	83	203	21397	108	72	180	9954	6	8	14	113	234	163	397	31464
9am-12pm	98	79	177	23413	85	49	134	10936	7	4	11	124	190	132	322	34473
12pm-3pm	239	139	378	31283	232	139	371	15872	7	7	14	140	478	285	763	47295
3pm-6pm	687	394	1081	41417	497	355	852	22330	22	24	46	205	1206	773	1979	63952
6pm-9pm	956	608	1564	21526	769	644	1413	13050	27	50	77	156	1752	1302	3054	34732
9pm-12am	959	792	1751	10452	907	777	1684	6435	24	48	72	75	1890	1617	3507	16962
Unknown	24	19	43	295	24	15	39	140	3	2	5	0	51	36	87	435
Total	4800	3216	8016	156928	4271	3110	7381	82678	144	231	375	905	9215	6557	15772	240511
Female																
12am-3am	225	108	333	1376	211	88	299	964	3	6	9	14	439	202	641	2354
3am-6am	50	25	75	387	54	25	79	217	2	1	3	2	106	51	157	606
6am-9am	16	8	24	9323	25	9	34	5234	2	1	3	30	43	18	61	14587
9am-12pm	18	9	27	9762	21	11	32	5218	0	0	0	39	39	20	59	15019
12pm-3pm	31	14	45	13204	27	15	42	7604	2	0	2	38	60	29	89	20846
3pm-6pm	66	45	111	18153	62	37	99	11080	3	0	3	53	131	82	213	29286
6pm-9pm	88	70	158	8396	99	78	177	5391	3	1	4	43	190	149	339	13830
9pm-12am	138	88	226	3640	141	102	243	2461	4	4	8	29	283	194	477	6130
Unknown	3	4	7	147	4	0	4	75	0	0	0	0	7	4	11	222
Total	635	371	1006	64388	644	365	1009	38244	19	13	32	248	1298	749	2047	102880
Total																
12am-3am	1566	1041	2607	6453	1466	970	2436	3877	38	78	116	73	3070	2089	5159	10403
3am-6am	426	194	620	2455	448	202	650	1265	15	17	32	35	889	413	1302	3755
6am-9am	136	91	227	30720	133	81	214	15188	8	9	17	143	277	181	458	46051
9am-12pm	116	88	204	33175	106	60	166	16154	7	4	11	163	229	152	381	49492
12pm-3pm	270	153	423	44487	259	154	413	23476	9	7	16	178	538	314	852	68141
3pm-6pm	753	439	1192	59570	559	392	951	33410	25	24	49	258	1337	855	2192	93238
6pm-9pm	1044	678	1722	29922	868	722	1590	18441	30	51	81	199	1942	1451	3393	48562
9pm-12am	1097	880	1977	14092	1048	879	1927	8896	28	52	80	104	2173	1811	3984	23092
Unknown	27	23	50	442	28	15	43	215	3	2	5	0	58	40	98	657
Total	5435	3587	9022	221316	4915	3475	8390	120922	163	244	407	1153	10513	7306	17819	343391

TABLE 3B. DRIVERS IN TRAFFIC CRASHES: HOUR OF CRASH - ONTARIO, 1989

Hour of Crash	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
12am-3am	1418	974	2392	5588	1096	822	1918	2944	48	44	92	46	2562	1840	4402	8578
3am-6am	353	190	543	2470	288	182	470	1047	14	16	30	28	655	388	1043	3545
6am-9am	121	66	187	24876	107	88	195	10857	6	4	10	120	234	158	392	35853
9am-12pm	112	80	192	27013	88	81	169	11594	4	4	8	117	204	165	369	38724
12pm-3pm	229	178	407	34007	177	144	321	15731	9	6	15	173	415	328	743	49911
3pm-6pm	643	424	1067	45088	499	397	896	22469	19	17	36	213	1161	838	1999	67770
6pm-9pm	903	667	1570	22939	708	674	1382	12553	31	27	58	171	1642	1368	3010	35663
9pm-12am	1049	810	1859	12117	789	806	1595	6511	45	27	72	96	1883	1643	3526	18724
Unknown	33	14	47	352	17	7	24	126	1	0	1	0	51	21	72	478
Total	4861	3403	8264	174450	3769	3201	6970	83832	177	145	322	964	8807	6749	15556	259246
Female																
12am-3am	205	117	322	1530	214	97	311	940	4	4	8	11	423	218	641	2481
3am-6am	50	18	68	504	61	18	79	237	0	3	3	4	111	39	150	745
6am-9am	14	6	20	11499	18	11	29	5651	0	1	1	40	32	18	50	17190
9am-12pm	11	10	21	11501	12	11	23	5696	0	0	0	37	23	21	44	17234
12pm-3pm	22	15	37	14637	20	17	37	7862	0	0	0	46	42	32	74	22545
3pm-6pm	68	40	108	20695	65	47	112	11423	2	2	4	60	135	89	224	32178
6pm-9pm	97	61	158	9068	75	55	130	5500	1	3	4	51	173	119	292	14619
9pm-12am	117	112	229	4537	108	98	206	2648	7	2	9	20	232	212	444	7205
Unknown	7	3	10	147	2	1	3	65	0	0	0	0	9	4	13	212
Total	591	382	973	74118	575	355	930	40022	14	15	29	269	1180	752	1932	114409
Total																
12am-3am	1623	1091	2714	7118	1310	919	2229	3884	52	48	100	57	2985	2058	5043	11059
3am-6am	403	208	611	2974	349	200	549	1284	14	19	33	32	766	427	1193	4290
6am-9am	135	72	207	36375	125	99	224	16508	6	5	11	160	266	176	442	53043
9am-12pm	123	90	213	38514	100	92	192	17290	4	4	8	154	227	186	413	55958
12pm-3pm	251	193	444	48644	197	161	358	23593	9	6	15	219	457	360	817	72456
3pm-6pm	711	464	1175	65783	564	444	1008	33892	21	19	40	273	1296	927	2223	99948
6pm-9pm	1000	728	1728	32007	783	729	1512	18053	32	30	62	222	1815	1487	3302	50282
9pm-12am	1166	922	2088	16654	897	904	1801	9159	52	29	81	116	2115	1855	3970	25929
Unknown	40	17	57	499	19	8	27	191	1	0	1	0	60	25	85	690
Total	5452	3785	9237	248568	4344	3556	7900	123854	191	160	351	1233	9987	7501	17488	373655

TABLE 4A. DRIVERS IN TRAFFIC CRASHES: DAY OF WEEK - ONTARIO, 1988

Day of Week	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
Monday	336	221	557	21440	283	220	503	11464	13	19	32	121	632	460	1092	33025
Tuesday	322	247	569	22810	303	259	562	11333	11	14	25	115	636	520	1156	34258
Wednesday	424	278	702	21978	358	257	615	11357	6	19	25	96	788	554	1342	33431
Thursday	467	360	827	23647	415	374	789	12096	17	27	44	134	899	761	1660	35877
Friday	967	619	1586	30236	802	587	1389	15323	25	42	67	177	1794	1248	3042	45736
Saturday	1288	893	2181	22666	1181	819	2000	12411	50	69	119	149	2519	1781	4300	35226
Sunday	996	598	1594	14151	929	594	1523	8694	22	41	63	113	1947	1233	3180	22958
Total	4800	3216	8016	156928	4271	3110	7381	82678	144	231	375	905	9215	6557	15772	240511
Female																
Monday	45	25	70	8761	46	30	76	5438	3	0	3	29	94	55	149	14228
Tuesday	45	40	85	9586	57	32	89	5549	0	3	3	24	102	75	177	15159
Wednesday	56	36	92	9662	48	31	79	5578	2	1	3	44	106	68	174	15284
Thursday	58	53	111	10105	49	43	92	5710	1	1	2	29	108	97	205	15844
Friday	113	58	171	12166	116	67	183	7176	2	2	4	44	231	127	358	19386
Saturday	179	85	264	8976	154	98	252	5375	8	2	10	41	341	185	526	14392
Sunday	139	74	213	5132	174	64	238	3418	3	4	7	37	316	142	458	8587
Total	635	371	1006	64388	644	365	1009	38244	19	13	32	248	1298	749	2047	102880
Total																
Monday	381	246	627	30201	329	250	579	16902	16	19	35	150	726	515	1241	47253
Tuesday	367	287	654	32396	360	291	651	16882	11	17	28	139	738	595	1333	49417
Wednesday	480	314	794	31640	406	288	694	16935	8	20	28	140	894	622	1516	48715
Thursday	525	413	938	33752	464	417	881	17806	18	28	46	163	1007	858	1865	51721
Friday	1080	677	1757	42402	918	654	1572	22499	27	44	71	221	2025	1375	3400	65122
Saturday	1467	978	2445	31642	1335	917	2252	17786	58	71	129	190	2860	1966	4826	49618
Sunday	1135	672	1807	19283	1103	658	1761	12112	25	45	70	150	2263	1375	3638	31545
Total	5435	3587	9022	221316	4915	3475	8390	120922	163	244	407	1153	10513	7306	17819	343391

TABLE 4B. DRIVERS IN TRAFFIC CRASHES: DAY OF WEEK - ONTARIO, 1989

Day of Week	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
Monday	359	261	620	22636	280	231	511	11080	7	4	11	144	646	496	1142	33860
Tuesday	359	289	648	26103	292	273	565	12050	17	10	27	102	668	572	1240	38255
Wednesday	408	307	715	25164	296	264	560	11830	12	12	24	129	716	583	1299	37123
Thursday	534	382	916	28769	376	360	736	12949	18	13	31	106	928	755	1683	41824
Friday	912	671	1583	33225	718	593	1311	15478	31	30	61	209	1661	1294	2955	48912
Saturday	1320	888	2208	23613	1008	833	1841	12125	51	43	94	167	2379	1764	4143	35905
Sunday	969	605	1574	14940	799	647	1446	8320	41	33	74	107	1809	1285	3094	23367
Total	4861	3403	8264	174450	3769	3201	6970	83832	177	145	322	964	8807	6749	15556	259246
Female																
Monday	45	39	84	9960	30	31	61	5395	1	1	2	40	76	71	147	15395
Tuesday	45	40	85	11318	44	29	73	6176	1	1	2	28	90	70	160	17522
Wednesday	54	37	91	11111	44	31	75	6025	2	4	6	35	100	72	172	17171
Thursday	53	49	102	13024	53	43	96	6619	1	2	3	33	107	94	201	19676
Friday	103	70	173	13922	71	60	131	7273	3	2	5	50	177	132	309	21245
Saturday	148	85	233	9233	163	83	246	5148	4	4	8	43	315	172	487	14424
Sunday	143	62	205	5550	170	78	248	3386	2	1	3	40	315	141	456	8976
Total	591	382	973	74118	575	355	930	40022	14	15	29	269	1180	752	1932	114409
Total																
Monday	404	300	704	32596	310	262	572	16475	8	5	13	184	722	567	1289	49255
Tuesday	404	329	733	37421	336	302	638	18226	18	11	29	130	758	642	1400	55777
Wednesday	462	344	806	36275	340	295	635	17855	14	16	30	164	816	655	1471	54294
Thursday	587	431	1018	41793	429	403	832	19568	19	15	34	139	1035	849	1884	61500
Friday	1015	741	1756	47147	789	653	1442	22751	34	32	66	259	1838	1426	3264	70157
Saturday	1468	973	2441	32846	1171	916	2087	17273	55	47	102	210	2694	1936	4630	50329
Sunday	1112	667	1779	20490	969	725	1694	11706	43	34	77	147	2124	1426	3550	32343
Total	5452	3785	9237	248568	4344	3556	7900	123854	191	160	351	1233	9987	7501	17488	373655

TABLE 5A. DRIVERS IN TRAFFIC CRASHES: MONTH OF YEAR - ONTARIO, 1988

Month of Year	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
January	379	228	607	13672	279	203	482	6164	5	7	12	79	663	438	1101	19915
February	411	245	656	15504	236	183	419	6590	2	9	11	65	649	437	1086	22159
March	391	282	673	10990	321	241	562	5140	5	12	17	69	717	535	1252	16199
April	336	238	574	9985	346	251	597	5592	9	12	21	45	691	501	1192	15622
May	378	275	653	11173	411	285	696	6935	16	23	39	63	805	583	1388	18171
June	387	264	651	11866	370	289	659	7675	12	30	42	57	769	583	1352	19598
July	382	283	665	11766	481	284	765	7804	22	36	58	94	885	603	1488	19664
August	406	250	656	12570	390	286	676	8126	18	30	48	109	814	566	1380	20805
September	422	311	733	12494	427	277	704	7218	14	28	42	80	863	616	1479	19792
October	460	288	748	14853	378	312	690	7622	15	15	30	86	853	615	1468	22561
November	396	276	672	13837	327	268	595	6450	16	10	26	82	739	554	1293	20369
December	452	276	728	18218	305	231	536	7362	10	19	29	76	767	526	1293	25656
TOTAL	4800	3216	8016	156928	4271	3110	7381	82678	144	231	375	905	9215	6557	15772	240511
Female																
January	57	26	83	5713	37	27	64	3017	0	1	1	16	94	54	148	8746
February	40	20	60	6362	31	13	44	3111	0	2	2	24	71	35	106	9497
March	48	33	81	4523	44	31	75	2431	0	1	1	13	92	65	157	6967
April	54	34	88	4173	58	38	96	2574	0	1	1	15	112	73	185	6762
May	47	33	80	4585	61	34	95	3190	1	2	3	19	109	69	178	7794
June	42	25	67	4912	57	34	91	3480	4	0	4	15	103	59	162	8407
July	60	31	91	4516	63	42	105	3272	1	2	3	30	124	75	199	7818
August	51	31	82	4905	61	29	90	3471	2	1	3	31	114	61	175	8407
September	66	31	97	5035	57	42	99	3211	6	0	6	27	129	73	202	8273
October	62	35	97	6200	56	33	89	3554	1	1	2	21	119	69	188	9775
November	51	38	89	5865	60	20	80	3257	3	0	3	13	114	58	172	9135
December	57	34	91	7599	59	22	81	3676	1	2	3	24	117	58	175	11299
TOTAL	635	371	1006	64388	644	365	1009	38244	19	13	32	248	1298	749	2047	102880

... continued

TABLE 5A (continued). DRIVERS IN TRAFFIC CRASHES: MONTH OF YEAR - ONTARIO, 1988

Month of Year	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Total																
January	436	254	690	19385	316	230	546	9181	5	8	13	95	757	492	1249	28661
February	451	265	716	21866	267	196	463	9701	2	11	13	89	720	472	1192	31656
March	439	315	754	15513	365	272	637	7571	5	13	18	82	809	600	1409	23166
April	390	272	662	14158	404	289	693	8166	9	13	22	60	803	574	1377	22384
May	425	308	733	15758	472	319	791	10125	17	25	42	82	914	652	1566	25965
June	429	289	718	16778	427	323	750	11155	16	30	46	72	872	642	1514	28005
July	442	314	756	16282	544	326	870	11076	23	38	61	124	1009	678	1687	27482
August	457	281	738	17475	451	315	766	11597	20	31	51	140	928	627	1555	29212
September	488	342	830	17529	484	319	803	10429	20	28	48	107	992	689	1681	28065
October	522	323	845	21053	434	345	779	11176	16	16	32	107	972	684	1656	32336
November	447	314	761	19702	387	288	675	9707	19	10	29	95	853	612	1465	29504
December	509	310	819	25817	364	253	617	11038	11	21	32	100	884	584	1468	36955
TOTAL	5435	3587	9022	221316	4915	3475	8390	120922	163	244	407	1153	10513	7306	17819	343391

TABLE 5B. DRIVERS IN TRAFFIC CRASHES: MONTH OF YEAR - ONTARIO, 1989

Month of Year	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
January	349	259	608	14837	264	213	477	5876	8	7	15	52	621	479	1100	20765
February	400	259	659	13383	262	228	490	5763	8	7	15	63	670	494	1164	19209
March	435	322	757	14502	258	254	512	6065	14	7	21	62	707	583	1290	20629
April	381	273	654	10969	286	259	545	5485	17	16	33	65	684	548	1232	16519
May	405	270	675	13345	365	257	622	7198	15	8	23	71	785	535	1320	20614
June	421	300	721	13625	347	280	627	7815	13	19	32	83	781	599	1380	21523
July	372	248	620	12161	412	292	704	7411	21	17	38	118	805	557	1362	19690
August	363	266	629	12719	338	285	623	7535	26	14	40	106	727	565	1292	20360
September	399	294	693	13597	375	331	706	7541	23	14	37	70	797	639	1436	21208
October	412	295	707	14771	344	290	634	7309	9	15	24	92	765	600	1365	22172
November	419	316	735	17525	253	253	506	7325	16	15	31	81	688	584	1272	24931
December	505	301	806	23016	265	259	524	8509	7	6	13	101	777	566	1343	31626
TOTAL	4861	3403	8264	174450	3769	3201	6970	83832	177	145	322	964	8807	6749	15556	259246
Female																
January	53	19	72	6292	31	21	52	2892	0	3	3	12	84	43	127	9196
February	41	26	67	5815	50	25	75	2755	3	0	3	19	94	51	145	8589
March	50	22	72	6187	43	29	72	2968	0	0	0	18	93	51	144	9173
April	40	37	77	4635	36	28	64	2555	0	1	1	18	76	66	142	7208
May	42	40	82	5713	53	30	83	3533	0	0	0	22	95	70	165	9268
June	45	37	82	5644	49	39	88	3557	1	3	4	28	95	79	174	9229
July	44	33	77	4918	55	28	83	3290	2	0	2	19	101	61	162	8227
August	61	32	93	5134	63	34	97	3456	2	1	3	33	126	67	193	8623
September	49	40	89	5802	55	34	89	3572	0	4	4	28	104	78	182	9402
October	53	34	87	6365	51	38	89	3516	0	1	1	16	104	73	177	9897
November	43	33	76	7943	46	16	62	3820	2	0	2	23	91	49	140	11786
December	70	29	99	9670	43	33	76	4108	4	2	6	33	117	64	181	13811
TOTAL	591	382	973	74118	575	355	930	40022	14	15	29	269	1180	752	1932	114409

... continued

TABLE 5B (continued). DRIVERS IN TRAFFIC CRASHES: MONTH OF YEAR - ONTARIO, 1989

Month of Year	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Total																
January	402	278	680	21129	295	234	529	8768	8	10	18	64	705	522	1227	29961
February	441	285	726	19196	312	253	565	8518	11	7	18	82	764	545	1309	27796
March	485	344	829	20689	301	283	584	9033	14	7	21	80	800	634	1434	29802
April	421	310	731	15604	322	287	609	8040	17	17	34	83	760	614	1374	23727
May	447	310	757	19058	418	287	705	10731	15	8	23	93	880	605	1485	29882
June	466	337	803	19269	396	319	715	11372	14	22	36	111	876	678	1554	30752
July	416	281	697	17079	467	320	787	10701	23	17	40	137	906	618	1524	27917
August	424	298	722	17853	401	319	720	10991	28	15	43	139	853	632	1485	28983
September	448	334	782	19399	430	365	795	11113	23	18	41	98	901	717	1618	30610
October	465	329	794	21136	395	328	723	10825	9	16	25	106	869	673	1542	32069
November	462	349	811	25468	299	269	568	11145	18	15	33	104	779	633	1412	36717
December	575	330	905	32686	308	292	600	12617	11	8	19	134	894	630	1524	45437
TOTAL	5452	3785	9237	248568	4344	3556	7900	123854	191	160	351	1233	9987	7501	17488	373655

Table 6

Drinking Drivers In Traffic Crashes:

Annual Number, Rate Per 1,000 Population, and Rate Per 1,000 Licensed Drivers

Ontario, 1980 - 1989

Year	Number of Crash-Involved Drinking Drivers	Population of Ontario*	Drinking Driver Crashes Per 1,000 Population	Number of Licensed Drivers	Drinking Driver Crashes Per 1,000 Licensed Drivers
1980	33,101	8,569,700	3.50	4,993,531	6.63
1981	29,730	8,625,110	3.45	5,123,177	5.80
1982	26,588	8,706,960	3.05	5,247,198	5.07
1983	24,102	8,789,590	2.74	5,380,259	4.48
1984	23,888	8,873,010	2.69	5,513,911	4.33
1985	20,859	8,957,210	2.33	5,660,422	3.69
1986	17,723	9,113,000	1.94	5,817,799	3.05
1987	18,737	9,270,700	2.02	5,978,105	3.13
1988	**17,819**	**9,096,294**	**1.96**	**6,118,112**	**2.91**
1989	**17,488**	**9,096,294**	**1.92**	**6,290,270**	**2.78**

*Figure for 1980 - Intercensal Estimate, Statistics Canada, Catalogue 91-521.
Figure for 1981 - Census of Canada.
Figures for 1982-85 are estimated assuming a constant rate of increase from 1981-1986.
Figures for 1986 and 1988 - Postcensal estimates (by regression method), Statistics Canada, Catalogue 91-211, November 1988.
Figure for 1989 - Duplication of the 1988 postcensal estimate.

Table 7A

AGE AND SEX OF DRIVERS IN LICENSED AND CRASH-INVOLVED POPULATIONS

ONTARIO, 1988

AGE & SEX	No. of Drivers Licensed	% of Licensed Drivers	Crash-Involved HBD	% of Drivers HBD	Crash-Involved IMP	% of Drivers IMP	Crash-Involved D/D	% of Drivers D/D	Crash-Involved NOR	% of Drivers NOR
Male										
16-18	116790	3.5%	600	6.5%	205	3.1%	805	5.1%	18305	7.7%
19-24	412791	12.2%	3033	33.0%	1528	23.3%	4561	29.0%	48666	20.4%
25-34	847181	25.1%	3041	33.1%	2511	38.3%	5552	35.3%	67726	28.4%
35-44	719104	21.3%	1334	14.5%	1274	19.5%	2608	16.6%	44167	18.5%
45-54	500951	14.8%	610	6.6%	559	8.5%	1169	7.4%	27397	11.5%
55-64	417975	12.4%	388	4.2%	351	5.4%	739	4.7%	19511	8.2%
65+	366964	10.9%	184	2.0%	122	1.9%	306	1.9%	13087	5.5%
Total	3381756	100%	9190	100%	6550	100%	15740	100%	238859	100%
Female										
16-18	89172	3.3%	95	7.4%	21	2.8%	116	5.7%	8159	8.0%
19-24	335702	12.3%	350	27.1%	151	20.2%	501	24.6%	19618	19.2%
25-34	741335	27.1%	499	38.6%	270	36.1%	769	37.7%	29066	28.4%
35-44	634737	23.2%	209	16.2%	183	24.5%	392	19.2%	22205	21.7%
45-54	397152	14.5%	86	6.7%	75	10.0%	161	7.9%	11400	11.1%
55-64	296291	10.8%	41	3.2%	39	5.2%	80	3.9%	6897	6.7%
65+	241967	8.8%	12	0.9%	9	1.2%	21	1.0%	5086	5.0%
Total	2736356	100%	1292	100%	748	100%	2040	100%	102433	100%
Both										
16-18	205962	3.4%	695	6.6%	226	3.1%	921	5.2%	26464	7.8%
19-24	748493	12.2%	3383	32.3%	1679	23.0%	5062	28.5%	68284	20.0%
25-34	1588516	26.0%	3540	33.8%	2781	38.1%	6321	35.6%	96792	28.4%
35-44	1353841	22.1%	1543	14.7%	1457	20.0%	3000	16.9%	66372	19.4%
45-54	898103	14.7%	696	6.6%	634	8.7%	1330	7.5%	38797	11.4%
55-64	714266	11.7%	429	4.1%	390	5.3%	819	4.6%	26408	7.7%
65+	608931	10.0%	196	1.9%	131	1.8%	327	1.8%	18175	5.3%
Total	6118112	100%	10482	100%	7298	100%	17780	100%	341292	100%

Table 7B

AGE AND SEX OF DRIVERS IN LICENSED AND CRASH-INVOLVED POPULATIONS

ONTARIO, 1989

AGE & SEX	No. of Drivers Licensed	% of Licensed Drivers	Crash-Involved HBD	% of Drivers HBD	Crash-Involved IMP	% of Drivers IMP	Crash-Involved D/D	% of Drivers D/D	Crash-Involved NOR	% of Drivers NOR
Male										
16-18	120080	3.5%	526	6.0%	216	3.2%	742	4.8%	18811	7.3%
19-24	407811	11.8%	2711	30.9%	1561	23.1%	4272	27.5%	50228	19.5%
25-34	874521	25.2%	3142	35.8%	2528	37.5%	5670	36.5%	74840	29.0%
35-44	746040	21.5%	1293	14.7%	1321	19.6%	2614	16.8%	48622	18.9%
45-54	516791	14.9%	635	7.2%	614	9.1%	1249	8.0%	30269	11.7%
55-64	420372	12.1%	319	3.6%	383	5.7%	702	4.5%	20862	8.1%
65+	382226	11.0%	161	1.8%	121	1.8%	282	1.8%	14016	5.4%
Total	3467841	100%	8787	100%	6744	100%	15531	100%	257648	100%
Female										
16-18	92905	3.3%	92	7.8%	21	2.8%	113	5.9%	8843	7.8%
19-24	333629	11.8%	317	27.0%	122	16.2%	439	22.8%	21367	18.8%
25-34	759666	26.9%	437	37.3%	294	39.1%	731	38.0%	32817	28.8%
35-44	663013	23.5%	208	17.7%	185	24.6%	393	20.4%	25086	22.0%
45-54	415200	14.7%	75	6.4%	95	12.6%	170	8.8%	12791	11.2%
55-64	300416	10.6%	25	2.1%	27	3.6%	52	2.7%	7390	6.5%
65+	257600	9.1%	18	1.5%	8	1.1%	26	1.4%	5595	4.9%
Total	2822429	100%	1172	100%	752	100%	1924	100%	113889	100%
Both										
16-18	212985	3.4%	618	6.2%	237	3.2%	855	4.9%	27654	7.4%
19-24	741440	11.8%	3028	30.4%	1683	22.5%	4711	27.0%	71595	19.3%
25-34	1634187	26.0%	3579	35.9%	2822	37.6%	6401	36.7%	107657	29.0%
35-44	1409053	22.4%	1501	15.1%	1506	20.1%	3007	17.2%	73708	19.8%
45-54	931991	14.8%	710	7.1%	709	9.5%	1419	8.1%	43060	11.6%
55-64	720788	11.5%	344	3.5%	410	5.5%	754	4.3%	28252	7.6%
65+	639826	10.2%	179	1.8%	129	1.7%	308	1.8%	19611	5.3%
Total	6290270	100%	9959	100%	7496	100%	17455	100%	371537	100%

TABLE 8A

ALCOHOL USE AMONG DRIVER FATALITIES*

ONTARIO, 1988

Category of Drivers	Number of Drivers	Number Tested for BAC	Had Been Drinking	Over 80 mg%	Drivers Grouped By BAC (mg%) Zero	1-49	50-80	81-150	>150
Age									
16 - 19	70	65	30	19	35	4	7	7	12
20 - 25	133	122	76	52	46	17	7	10	42
26 - 35	132	126	71	61	55	6	4	11	50
36 - 45	75	72	29	20	43	7	2	3	17
46 - 55	44	42	15	11	27	3	1	2	9
> 55	99	93	19	12	74	5	2	4	8
Sex									
Male	457	433	221	162	212	36	23	35	127
Female	96	87	19	13	68	6	0	2	11
Type of Vehicle									
Automobile	398	371	169	127	202	30	12	28	99
Motorcycle / Moped	64	61	34	21	27	8	5	5	16
Truck / Van	85	82	37	27	45	4	6	4	23
Tractor-Trailer	6	6	0	0	6	0	0	0	0
Type of Collision									
Single-Vehicle	222	211	139	112	72	14	13	22	90
Multiple-Vehicle	330	308	101	63	207	28	10	15	48
Unknown	1	1	0	0	1	0	0	0	0
Total	**553**	**520**	**240**	**175**	**280**	**42**	**23**	**37**	**138**

*** Source: Fatality Database, Traffic Injury Research Foundation of Canada.**
(Data from Ontario obtained with the cooperation and assistance of the Office of Chief Coroner for Ontario and the Ministry of Transportation. TIRF's Fatality Database is jointly sponsored by the Canadian Council of Motor Transport Administrators and Transport Canada.)

TABLE 8B

ALCOHOL USE AMONG DRIVER FATALITIES*

ONTARIO, 1989

Category of Drivers	Number of Drivers	Number Tested for BAC	Had Been Drinking	Over 80 mg%	Drivers Grouped By BAC (mg%) Zero	1-49	50-80	81-150	>150
Age									
16 - 19	68	60	20	12	40	5	3	5	7
20 - 25	146	137	75	58	62	11	6	19	39
26 - 35	165	154	78	68	76	7	3	15	53
36 - 45	94	88	40	33	48	6	1	4	29
46 - 55	52	45	13	11	32	2	0	2	9
> 55	115	100	14	9	86	3	2	2	7
Sex									
Male	503	462	216	176	246	26	14	44	132
Female	137	122	24	15	98	8	1	3	12
Type of Vehicle									
Automobile	449	407	156	121	251	25	10	30	91
Motorcycle / Moped	72	65	31	26	34	3	2	11	15
Truck / Van	107	100	51	43	49	5	3	6	37
Tractor-Trailer	12	12	2	1	10	1	0	0	1
Type of Collision									
Single-Vehicle	251	228	142	118	86	14	10	24	94
Multiple-Vehicle	382	353	97	72	256	20	5	22	50
Unknown	7	3	1	1	2	0	0	1	0
Total	**640**	**584**	**240**	**191**	**344**	**34**	**15**	**47**	**144**

* Source: Fatality Database, Traffic Injury Research Foundation of Canada.
(Data from Ontario obtained with the cooperation and assistance of the Office of Chief Coroner for Ontario and the Ministry of Transportation. TIRF's Fatality Database is jointly sponsored by the Canadian Council of Motor Transport Administrators and Transport Canada.)

TABLE 9

ALCOHOL USE AMONG DRIVER FATALITIES*

ONTARIO, 1973 - 1989

Year	Number of Drivers**	Tested for BAC		Had Been Drinking***		Over 80 mg%		Drivers Grouped By BAC (mg%)		
		#	%	#	%	#	%	Zero	1-80	> 80
1973	747	689	92.2%	370	53.7%	307	44.6%	319	63	307
1974	723	649	89.8%	365	56.2%	280	43.1%	284	85	280
1975	776	721	92.9%	423	58.7%	316	43.8%	298	107	316
1976	612	539	88.1%	318	59.0%	251	46.6%	221	67	251
1977	603	534	88.6%	302	56.6%	243	45.5%	232	59	243
1978	587	557	94.9%	310	55.7%	256	46.0%	247	54	256
1979	580	527	90.9%	316	60.0%	255	48.4%	211	61	255
1980	641	590	92.0%	338	57.3%	282	47.8%	252	56	282
1981	666	627	94.1%	377	60.1%	311	49.6%	250	66	311
1982	554	518	93.5%	290	56.0%	241	46.5%	228	49	241
1983	595	548	92.1%	294	53.6%	244	44.5%	254	50	244
1984	526	488	92.8%	264	54.1%	218	44.7%	224	46	218
1985	536	499	93.1%	259	51.9%	199	39.9%	240	60	199
1986	528	497	94.1%	257	51.7%	215	43.3%	240	42	215
1987	610	539	88.4%	254	47.1%	214	39.7%	285	40	214
1988	553	520	94.0%	240	46.2%	175	33.7%	280	65	175
1989	640	584	91.3%	240	41.1%	191	32.7%	344	49	191
Average	616	566	91.9%	307	54.2%	247	43.6%	259	60	247

* Source: Fatality Database, Traffic Injury Research Foundation of Canada.
(Data from Ontario obtained with the cooperation and assistance of the Office of Chief Coroner for Ontario and the Ministry of Transportation. TIRF's Fatality Database is jointly sponsored by the Canadian Council of Motor Transport Administrators and Transport Canada.)

** Drivers of highway vehicles (operators of farm tractors, snowmobiles, and bicycles excluded), 16 years of age or older, dying within 6 hours of crash involvement.

*** In this table, "had been drinking" means any amount of alcohol detected in blood samples, INCLUDING blood alcohol concentrations over 80 mg%.

Table 10A

Normal and Drinking Drivers Involved in Crashes During 1988:

Rates for Ontario's Counties and Regional Municipalities

JURISDICTION	POPULATION	NORMAL DRIVERS			DRINKING DRIVERS			% Drivers
		Number	Rate	Rank	Number	Rate	Rank	Drinking
Algoma	117339	4908	41.8	8	326	2.8	8	6.2%
Brant	102085	3287	32.2	30	250	2.4	16	7.1%
Bruce	57119	1286	22.5	45	129	2.3	24	9.1%
Cochrane	84846	2903	34.2	24	182	2.1	31	5.9%
Dufferin	34452	1452	42.1	7	103	3.0	7	6.6%
Durham	347837	12158	35.0	21	859	2.5	13	6.6%
Elgin	69174	1743	25.2	42	137	2.0	36	7.3%
Essex	314952	10311	32.7	26	756	2.4	19	6.8%
Frontenac	119332	4103	34.4	22	216	1.8	40	5.0%
Grey	75157	2038	27.1	40	168	2.2	26	7.6%
Haldimand-Norfolk	89225	2381	26.7	41	232	2.6	11	8.9%
Haliburton	11945	547	45.8	2	76	6.4	2	12.2%
Halton	281668	10923	38.8	14	512	1.8	39	4.5%
Hamilton-Wentworth	429466	16721	38.9	13	694	1.6	44	4.0%
Hastings	106240	3643	34.3	23	261	2.5	14	6.7%
Huron	55589	1208	21.7	46	125	2.2	25	9.4%
Kenora	35150	1653	47.0	1	126	3.6	3	7.1%
Kent	105176	2894	27.5	38	223	2.1	33	7.2%
Lambton	119528	3491	29.2	35	258	2.2	30	6.9%
Lanark	49483	1433	29.0	36	109	2.2	28	7.1%
Leeds & Grenville	83166	2435	29.3	34	198	2.4	20	7.5%
Lennox & Addington	32998	912	27.6	37	86	2.6	10	8.6%
Manitoulin	6771	208	30.7	33	44	6.5	1	17.5%
Middlesex	344586	13562	39.4	10	676	2.0	37	4.7%
Muskoka	39958	1733	43.4	5	140	3.5	5	7.5%
Niagara	365197	12881	35.3	18	878	2.4	18	6.4%
Nipissing	74599	2420	32.4	28	129	1.7	42	5.1%
Northumberland	67232	2163	32.2	31	204	3.0	6	8.6%
Ottawa-Carleton	623135	22732	36.5	16	861	1.4	47	3.6%
Oxford	84008	2961	35.2	19	180	2.1	32	5.7%
Parry Sound	30138	1300	43.1	6	106	3.5	4	7.5%
Peel	608327	23727	39.0	12	1015	1.7	43	4.1%
Perth	66226	1802	27.2	39	101	1.5	46	5.3%
Peterborough	105493	3437	32.6	27	254	2.4	17	6.9%
Prescott & Russell	59138	1484	25.1	43	115	1.9	38	7.2%
Prince Edward	21793	408	18.7	47	51	2.3	21	11.1%
Rainy River	18981	612	32.2	29	43	2.3	23	6.6%
Renfrew	85953	2150	25.0	44	154	1.8	41	6.7%
Simcoe	241694	9661	40.0	9	593	2.5	15	5.8%
Stormont, Dundas, & Glengarry	101978	3136	30.8	32	211	2.1	35	6.3%
Sudbury District & Reg. Munic.	168677	6094	36.1	17	373	2.2	27	5.8%
Thunder Bay	140951	6142	43.6	3	356	2.5	12	5.5%
Timiskaming	35741	1181	33.0	25	82	2.3	22	6.5%
Toronto (Metro) & York Region	2542851	110307	43.4	4	4029	1.6	45	3.5%
Victoria	55132	1931	35.0	20	150	2.7	9	7.2%
Waterloo	342030	13357	39.1	11	750	2.2	29	5.3%
Wellington	143778	5566	38.7	15	298	2.1	34	5.1%
ONTARIO	9096294	343385	37.7		17819	2.0		4.9%

Table 10B

Normal and Drinking Drivers Involved in Crashes During 1989: Rates for Ontario's Counties and Regional Municipalities

JURISDICTION	POPULATION*	NORMAL DRIVERS			DRINKING DRIVERS			% Drivers
		Number	Rate	Rank	Number	Rate	Rank	Drinking
Algoma	117339	5317	45.3	8	284	2.4	16	5.1%
Brant	102085	3444	33.7	32	254	2.5	14	6.9%
Bruce	57119	1302	22.8	47	140	2.5	15	9.7%
Cochrane	84846	3072	36.2	27	151	1.8	38	4.7%
Dufferin	34452	1602	46.5	6	95	2.8	8	5.6%
Durham	347837	13101	37.7	23	769	2.2	20	5.5%
Elgin	69174	1927	27.9	43	129	1.9	36	6.3%
Essex	314952	10857	34.5	30	685	2.2	22	5.9%
Frontenac	119332	4810	40.3	18	204	1.7	40	4.1%
Grey	75157	2306	30.7	37	159	2.1	23	6.5%
Haldimand-Norfolk	89225	2585	29.0	40	265	3.0	6	9.3%
Haliburton	11945	630	52.7	1	53	4.4	2	7.8%
Halton	281668	11632	41.3	15	486	1.7	39	4.0%
Hamilton-Wentworth	429466	17315	40.3	16	657	1.5	45	3.7%
Hastings	106240	4072	38.3	21	277	2.6	11	6.4%
Huron	55589	1290	23.2	46	86	1.5	44	6.3%
Kenora	35150	1729	49.2	4	110	3.1	5	6.0%
Kent	105176	3217	30.6	38	205	1.9	34	6.0%
Lambton	119528	3453	28.9	41	249	2.1	27	6.7%
Lanark	49483	1572	31.8	35	104	2.1	25	6.2%
Leeds & Grenville	83166	2848	34.2	31	192	2.3	17	6.3%
Lennox & Addington	32998	1040	31.5	36	75	2.3	18	6.7%
Manitoulin	6771	270	39.9	19	44	6.5	1	14.0%
Middlesex	344586	14568	42.3	13	699	2.0	30	4.6%
Muskoka	39958	1970	49.3	3	143	3.6	3	6.8%
Niagara	365197	15137	41.4	14	949	2.6	12	5.9%
Nipissing	74599	3180	42.6	11	149	2.0	31	4.5%
Northumberland	67232	2396	35.6	28	182	2.7	9	7.1%
Ottawa-Carleton	623135	24440	39.2	20	754	1.2	47	3.0%
Oxford	84008	3085	36.7	25	141	1.7	41	4.4%
Parry Sound	30138	1492	49.5	2	107	3.6	4	6.7%
Peel	608327	27102	44.6	9	1091	1.8	37	3.9%
Perth	66226	1920	29.0	39	85	1.3	46	4.2%
Peterborough	105493	3687	35.0	29	238	2.3	19	6.1%
Prescott & Russell	59138	1658	28.0	42	113	1.9	35	6.4%
Prince Edward	21793	519	23.8	45	48	2.2	21	8.5%
Rainy River	18981	691	36.4	26	40	2.1	24	5.5%
Renfrew	85953	2185	25.4	44	168	2.0	32	7.1%
Simcoe	241694	10607	43.9	10	638	2.6	10	5.7%
Stormont, Dundas, & Glengarry	101978	3383	33.2	34	213	2.1	26	5.9%
Sudbury District & Reg. Munic.	168677	7173	42.5	12	347	2.1	28	4.6%
Thunder Bay	140951	6476	45.9	7	365	2.6	13	5.3%
Timiskaming	35741	1198	33.5	33	57	1.6	43	4.5%
Toronto (Metro) & York Region	2542851	120132	47.2	5	4172	1.6	42	3.4%
Victoria	55132	2057	37.3	24	155	2.8	7	7.0%
Waterloo	342030	13789	40.3	17	667	2.0	33	4.6%
Wellington	143778	5419	37.7	22	294	2.0	29	5.1%
ONTARIO	9096294	373655	41.1		17488	1.9		4.5%

* Estimated 1988 Population

APPENDIX B

1988-1989 STATISTICS ON DRINKING AND DRIVING:

COUNTIES AND REGIONAL MUNICIPALITIES OF ONTARIO

STATISTICS ON DRINKING AND DRIVING: COUNTIES AND REGIONAL MUNICIPALITIES OF ONTARIO

The following pages, which comprise the greater part of this report, present drinking-driving statistics for Ontario's counties and regional municipalities. In particular, the tables and figures report numbers of **crash-involved** drivers reported by police officers as "normal" (**NOR**), "had been drinking" (**HBD**), or "ability impaired by alcohol" (**IMP**). For each jurisdiction from 1980 through 1989, drivers are grouped by gender and severity of crash (*property damage*, *injury*, *fatal*).

To many readers, these tables of numbers -- or, as researchers would call them, *raw data* -- will no doubt seem of little use, much less of interest. Readers are reminded that this **is** a *statistical* yearbook and that is intended to provide a detailed (not exhaustive) account of Ontario's experience during 1988 and 1989. "Raw data" often yield answers to questions many people ask, for example: (1) How big is the drinking-driving problem in **my** community? (2) What percentage of drivers involved in traffic crashes have consumed alcohol? (3) Are we making *progress*? This report cannot provide complete answers to all these questions. Only some of the numbers are provided to indicate **what happened** -- and **what happened over time** -- to the problem of drinking and driving on a *local* level.

Based on police-reported data for each county or regional municipality, therefore, the *number* of drinking and normal drivers involved in traffic crashes from 1980 through 1989 are presented. The *number of drinking drivers involved in traffic crashes* is one measure of the magnitude of the problem. The Problem Index -- i.e., the *ratio of crash-involved* **drinking** *drivers to crash-involved* **normal** *drivers* is also plotted. As discussed in Section 3, this measure of drinking-driving problems over time controls for factors (for example, economic conditions) that give rise **both** to alcohol- **and** nonalcohol-related traffic crashes -- notwithstanding programs aimed to reduce impaired-driving problems. Finally, the percentage of crash-involved drivers reported by police as normal, had been drinking (HBD), and impaired are charted for both 1988 and 1989.

ALGOMA

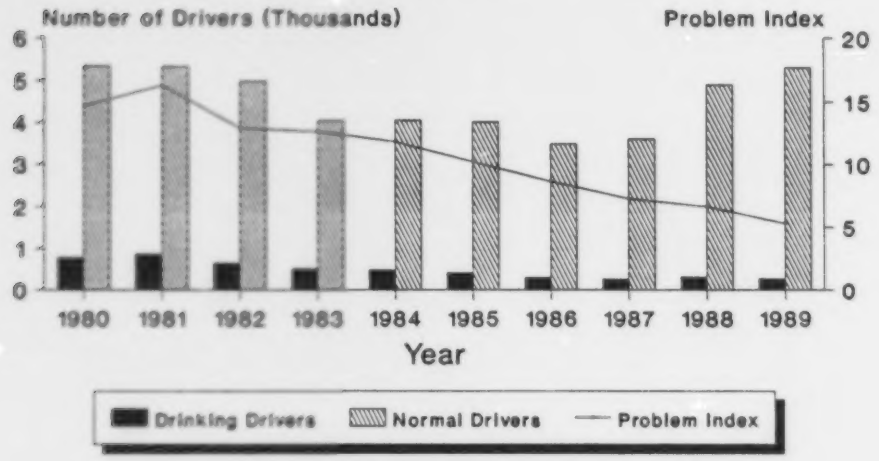
Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	238	135	373	2753	216	101	317	1194	10	6	16	28	464	242	706	3975
1981	282	131	413	2663	227	126	353	1253	5	14	19	34	514	271	785	3950
1982	206	112	318	2640	163	92	255	1005	4	3	7	20	373	207	580	3665
1983	138	96	234	2070	120	83	203	834	2	5	7	12	260	184	444	2916
1984	150	78	228	2006	98	91	189	856	7	7	14	17	255	176	431	2879
1985	103	59	162	1775	109	85	194	1016	2	3	5	17	214	147	361	2808
1986	66	53	119	1499	81	50	131	914	3	8	11	21	150	111	261	2434
1987	58	49	107	1521	74	53	127	893	4	2	6	22	136	104	240	2436
1988	84	64	148	2465	73	58	131	931	1	6	7	16	158	128	286	3412
1989	76	64	140	2689	42	66	108	987	2	4	6	10	120	134	254	3686
Female																
1980	27	12	39	907	26	9	35	451	1	0	1	2	54	21	75	1360
1981	28	17	45	895	25	11	36	475	2	1	3	7	55	29	84	1377
1982	24	6	30	890	23	8	31	427	0	1	1	2	47	15	62	1319
1983	30	6	36	786	25	5	30	334	0	0	0	5	55	11	66	1125
1984	15	8	23	805	18	7	25	372	0	0	0	4	33	15	48	1181
1985	15	11	26	721	18	4	22	490	0	2	2	2	33	17	50	1213
1986	10	6	16	640	18	7	25	413	0	1	1	4	28	14	42	1057
1987	7	2	9	707	12	2	14	452	0	0	0	6	19	4	23	1165
1988	9	8	17	1029	13	8	21	463	1	1	2	4	23	17	40	1496
1989	10	7	17	1153	8	5	13	473	0	0	0	5	18	12	30	1631
Total																
1980	265	147	412	3660	242	110	352	1645	11	6	17	30	518	263	781	5335
1981	310	148	458	3558	252	137	389	1728	7	15	22	41	569	300	869	5327
1982	230	118	348	3530	186	100	286	1432	4	4	8	22	420	222	642	4984
1983	168	102	270	2856	145	88	233	1168	2	5	7	17	315	195	510	4041
1984	165	86	251	2811	116	98	214	1228	7	7	14	21	288	191	479	4060
1985	118	70	188	2496	127	89	216	1506	2	5	7	19	247	164	411	4021
1986	76	59	135	2139	99	57	156	1327	3	9	12	25	178	125	303	3491
1987	65	51	116	2228	86	55	141	1345	4	2	6	28	155	108	263	3601
1988	93	72	165	3494	86	66	152	1394	2	7	9	20	181	145	326	4908
1989	86	71	157	3842	50	71	121	1460	2	4	6	15	138	146	284	5317

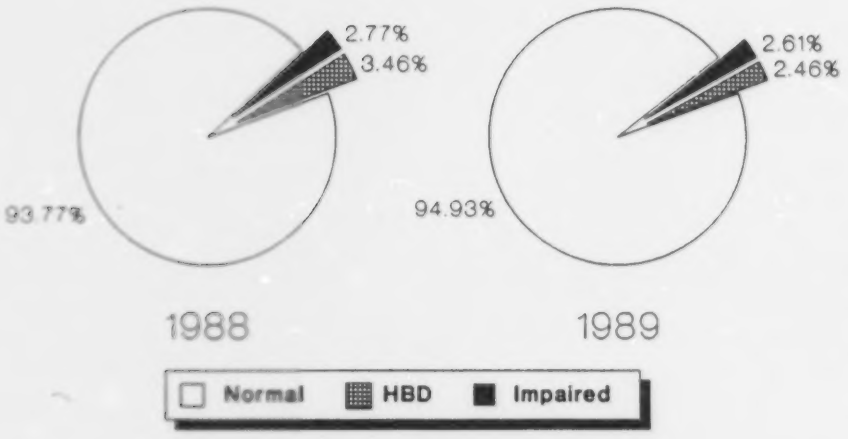
KEY: HBD -- Drivers reported by police to have been drinking
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

ALGOMA

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



BRANT

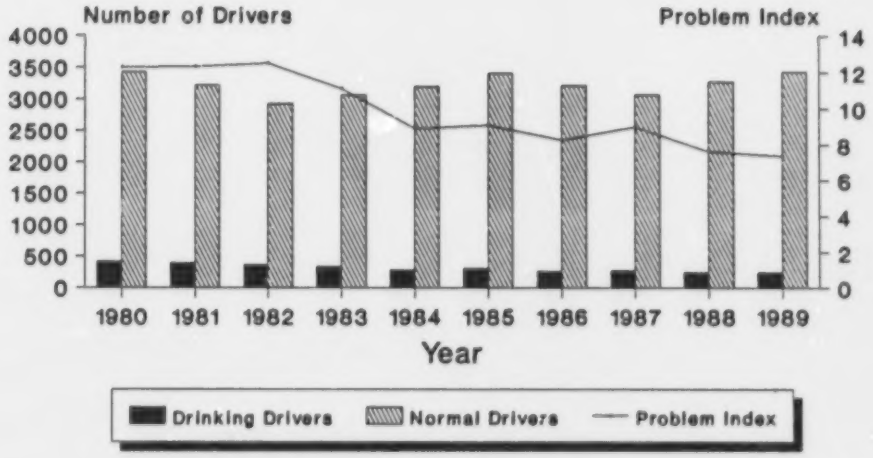
Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	134	65	199	1627	112	59	171	811	3	5	8	9	249	129	378	2447
1981	114	78	192	1511	94	70	164	716	5	2	7	11	213	150	363	2238
1982	108	67	175	1362	87	41	128	619	7	8	15	6	202	116	318	1987
1983	98	59	157	1405	96	45	141	678	1	2	3	5	195	106	301	2088
1984	79	49	128	1475	82	40	122	667	1	2	3	8	162	91	253	2150
1985	77	50	127	1445	81	52	133	858	8	4	12	13	166	106	272	2316
1986	54	54	108	1354	64	56	120	792	1	3	4	11	119	113	232	2157
1987	47	54	101	1209	81	46	127	756	1	9	10	18	129	109	238	1983
1988	62	34	96	1388	64	51	115	784	8	2	10	9	134	87	221	2181
1989	67	48	115	1439	50	60	110	773	0	4	4	12	117	112	229	2224
Female																
1980	12	7	19	656	15	9	24	322	0	0	0	4	27	16	43	982
1981	10	3	13	655	18	2	20	329	1	0	1	3	29	5	34	987
1982	15	5	20	630	21	3	24	312	1	3	4	5	37	11	48	947
1983	18	6	24	657	12	3	15	320	0	0	0	5	30	9	39	982
1984	9	5	14	694	12	5	17	352	1	0	1	7	22	10	32	1053
1985	7	7	14	649	19	4	23	446	0	1	1	5	26	12	38	1100
1986	5	5	10	625	16	6	22	439	1	1	2	2	22	12	34	1066
1987	7	6	13	652	18	6	24	439	0	2	2	5	25	14	39	1096
1988	3	5	8	694	16	5	21	410	0	0	0	2	19	10	29	1106
1989	9	6	15	755	8	1	9	463	1	0	1	2	18	7	25	1220
Total																
1980	146	72	218	2283	127	68	195	1133	3	5	8	13	276	145	421	3429
1981	124	81	205	2166	112	72	184	1045	6	2	8	14	242	155	397	3225
1982	123	72	195	1992	108	44	152	931	8	11	19	11	239	127	366	2934
1983	116	65	181	2062	108	48	156	998	1	2	3	10	225	115	340	3070
1984	88	54	142	2169	94	45	139	1019	2	2	4	15	184	101	285	3203
1985	84	57	141	2094	100	56	156	1304	8	5	13	18	192	118	310	3416
1986	59	59	118	1979	80	62	142	1231	2	4	6	13	141	125	266	3223
1987	54	60	114	1861	99	52	151	1195	1	11	12	23	154	123	277	3079
1988	65	39	104	2082	80	56	136	1194	8	2	10	11	153	97	250	3287
1989	76	54	130	2194	58	61	119	1236	1	4	5	14	135	119	254	3444

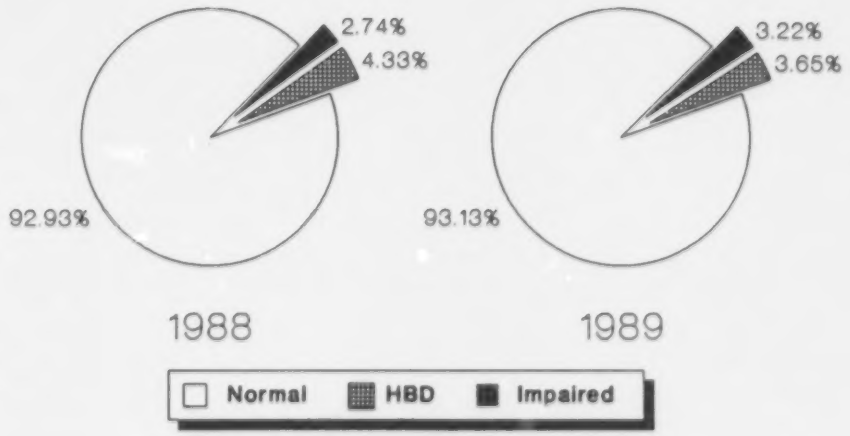
KEY: HBD -- Drivers reported by police to have been drinking
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

BRANT

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



BRUCE

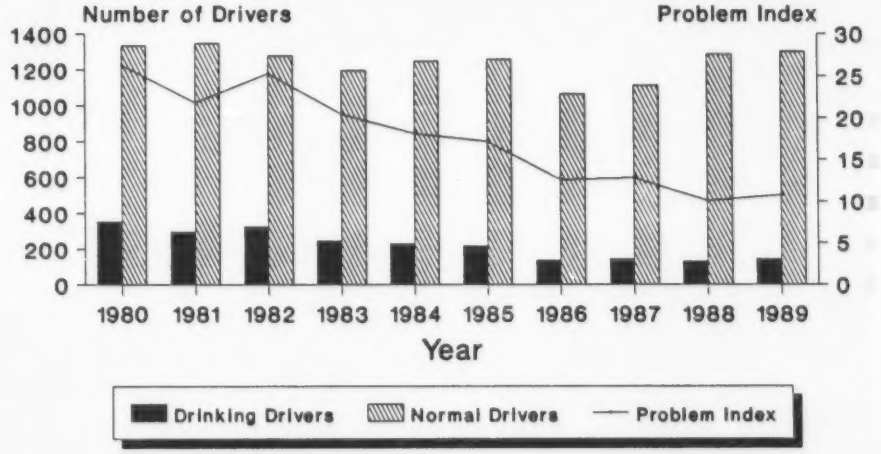
Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	141	46	187	671	95	27	122	319	2	4	6	13	238	77	315	1003
1981	87	33	120	713	113	28	141	290	2	5	7	6	202	66	268	1009
1982	118	29	147	602	106	30	136	293	3	4	7	9	227	63	290	904
1983	85	24	109	597	85	22	107	264	1	3	4	9	171	49	220	870
1984	56	27	83	533	87	19	106	329	1	4	5	6	144	50	194	868
1985	59	19	78	524	86	22	108	355	0	1	1	2	145	42	187	881
1986	40	14	54	453	43	15	58	243	3	5	8	6	86	34	120	702
1987	35	14	49	497	59	16	75	266	1	2	3	6	95	32	127	769
1988	38	21	59	590	40	13	53	281	3	4	7	4	81	38	119	875
1989	45	19	64	585	40	17	57	268	5	2	7	6	90	38	128	859
Female																
1980	14	5	19	216	15	1	16	114	1	0	1	2	30	6	36	332
1981	12	2	14	225	10	0	10	112	2	0	2	3	24	2	26	340
1982	7	2	9	243	21	2	23	128	0	0	0	1	28	4	32	372
1983	11	3	14	210	7	2	9	115	1	0	1	1	19	5	24	326
1984	14	3	17	257	13	2	15	120	0	0	0	3	27	5	32	380
1985	10	1	11	224	13	4	17	150	1	0	1	3	24	5	29	377
1986	4	1	5	229	6	3	9	130	0	0	0	2	10	4	14	361
1987	7	0	7	199	5	1	6	142	1	1	2	2	13	2	15	343
1988	2	1	3	278	1	6	7	130	0	0	0	3	3	7	10	411
1989	6	3	9	296	2	1	3	144	0	0	0	3	8	4	12	443
Total																
1980	155	51	206	887	110	28	138	433	3	4	7	15	268	83	351	1335
1981	99	35	134	938	123	28	151	402	4	5	9	9	226	68	294	1349
1982	125	31	156	845	127	32	159	421	3	4	7	10	255	67	322	1276
1983	96	27	123	807	92	24	116	379	2	3	5	10	190	54	244	1196
1984	70	30	100	790	100	21	121	449	1	4	5	9	171	55	226	1248
1985	69	20	89	748	99	26	125	505	1	1	2	5	169	47	216	1258
1986	44	15	59	682	49	18	67	373	3	5	8	8	96	38	134	1063
1987	42	14	56	696	64	17	81	406	2	3	5	8	108	34	142	1112
1988	40	22	62	868	41	19	60	411	3	4	7	7	84	45	129	1286
1989	51	22	73	881	42	18	60	412	5	2	7	9	98	42	140	1302

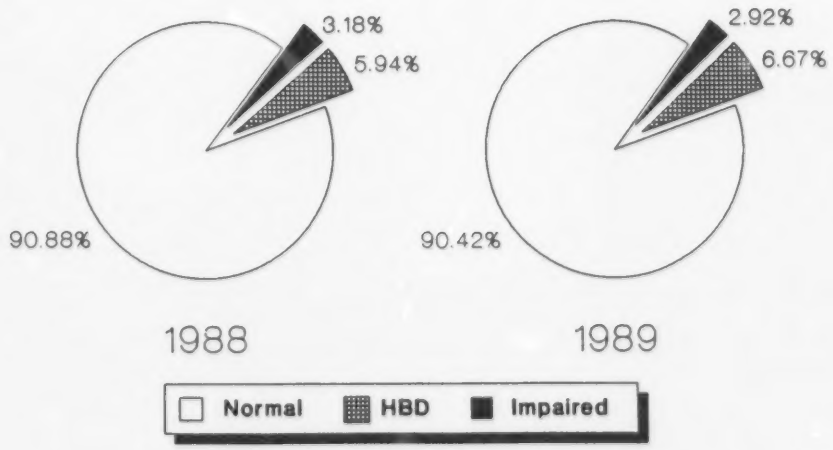
KEY: HBD -- Drivers reported by police to have been drinking
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

BRUCE

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



COCHRANE

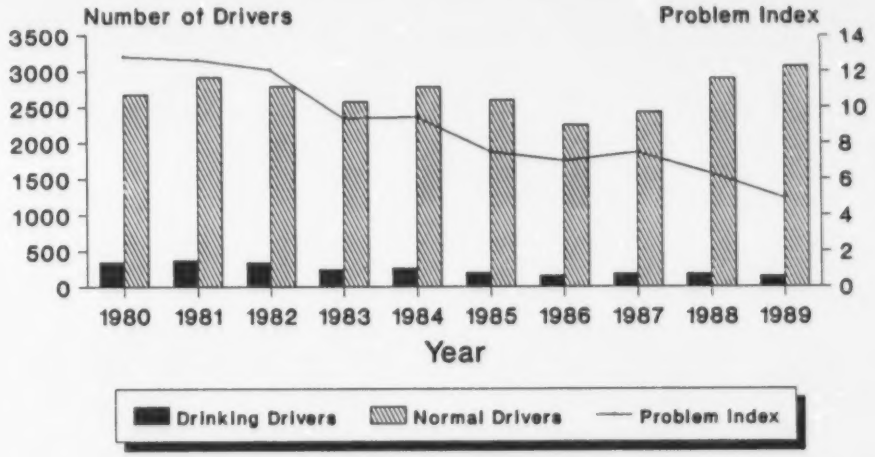
Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	118	58	176	1430	83	56	139	644	7	1	8	14	208	115	323	2088
1981	115	68	183	1604	107	45	152	678	5	2	7	11	227	115	342	2293
1982	99	56	155	1500	95	52	147	657	4	4	8	16	198	112	310	2173
1983	72	35	107	1310	67	42	109	642	4	0	4	15	143	77	220	1967
1984	80	50	130	1426	62	40	102	648	1	1	2	7	143	91	234	2081
1985	47	45	92	1288	53	33	86	664	1	1	2	8	101	79	180	1960
1986	40	30	70	1064	36	30	66	545	0	4	4	5	76	64	140	1614
1987	40	35	75	1081	35	44	79	663	2	3	5	9	77	82	159	1753
1988	42	43	85	1553	43	29	72	591	0	3	3	12	85	75	160	2156
1989	36	30	66	1546	30	32	62	625	0	1	1	12	66	63	129	2183
Female																
1980	7	2	9	417	5	3	8	174	3	0	3	1	15	5	20	592
1981	10	5	15	427	7	4	11	197	0	0	0	2	17	9	26	626
1982	10	3	13	423	8	5	13	189	0	0	0	1	18	8	26	613
1983	9	3	12	393	4	3	7	210	1	1	2	2	14	7	21	605
1984	13	6	19	454	6	3	9	240	0	0	0	3	19	9	28	697
1985	5	3	8	390	6	0	6	246	1	0	1	1	12	3	15	637
1986	2	4	6	377	8	3	11	254	0	0	0	1	10	7	17	632
1987	3	5	8	396	10	3	13	272	1	0	1	5	14	8	22	673
1988	7	4	11	515	3	8	11	232	0	0	0	0	10	12	22	747
1989	4	5	9	592	2	10	12	296	0	1	1	1	6	16	22	889
Total																
1980	125	60	185	1847	88	59	147	818	10	1	11	15	223	120	343	2680
1981	125	73	198	2031	114	49	163	875	5	2	7	13	244	124	368	2919
1982	109	59	168	1923	103	57	160	846	4	4	8	17	216	120	336	2786
1983	81	38	119	1703	71	45	116	852	5	1	6	17	157	84	241	2572
1984	93	56	149	1880	68	43	111	888	1	1	2	10	162	100	262	2778
1985	52	48	100	1678	59	33	92	910	2	1	3	9	113	82	195	2597
1986	42	34	76	1441	44	33	77	799	0	4	4	6	86	71	157	2246
1987	43	40	83	1477	45	47	92	935	3	3	6	14	91	90	181	2426
1988	49	47	96	2068	46	37	83	823	0	3	3	12	95	87	182	2903
1989	40	35	75	2138	32	42	74	921	0	2	2	13	72	79	151	3072

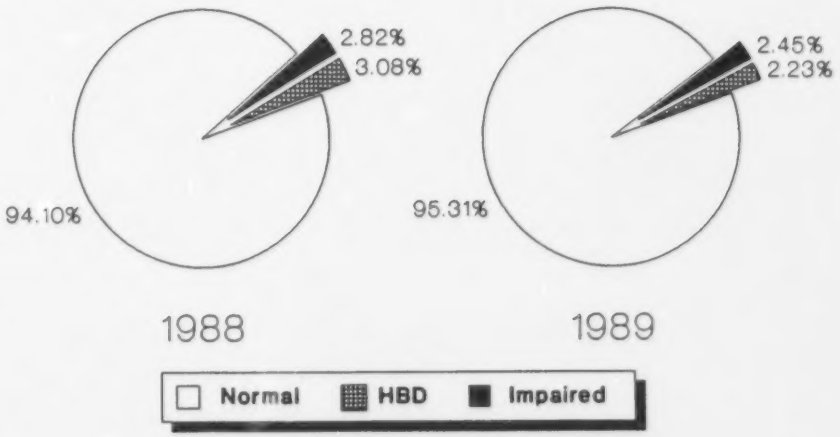
KEY: HBD -- Drivers reported by police to have been drinking
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

COCHRANE

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



DUFFERIN

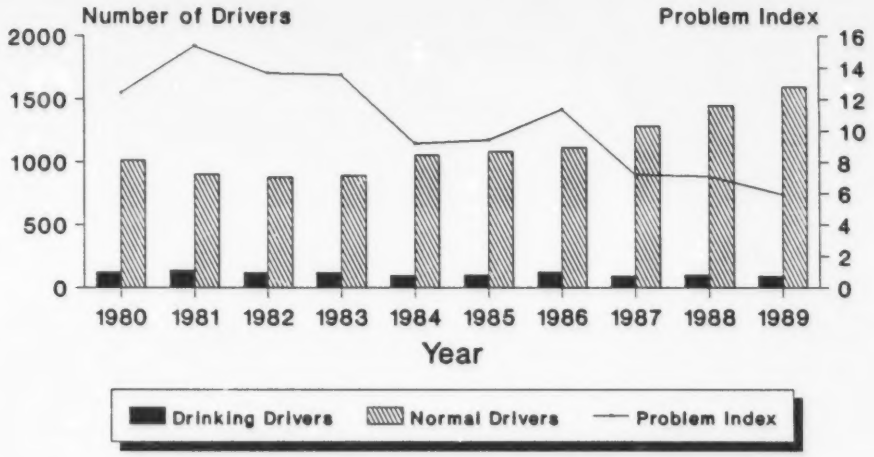
Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	51	13	64	483	41	12	53	258	2	1	3	4	94	26	120	745
1981	44	12	56	414	52	11	63	242	1	4	5	5	97	27	124	661
1982	41	17	58	386	35	13	48	215	3	4	7	13	79	34	113	614
1983	37	16	53	424	37	14	51	219	2	6	8	7	76	36	112	650
1984	27	13	40	452	28	13	41	261	0	3	3	6	55	29	84	719
1985	24	11	35	460	34	19	53	306	3	0	3	2	61	30	91	768
1986	26	16	42	473	53	24	77	288	0	1	1	7	79	41	120	768
1987	27	8	35	545	24	15	39	364	2	2	4	8	53	25	78	917
1988	38	17	55	688	28	9	37	295	0	0	0	11	66	26	92	994
1989	28	13	41	770	26	18	44	284	0	2	2	7	54	33	87	1061
Female																
1980	3	1	4	165	2	0	2	104	0	0	0	1	5	1	6	270
1981	6	3	9	150	4	1	5	93	1	0	1	0	11	4	15	243
1982	2	1	3	177	4	0	4	84	0	0	0	3	6	1	7	264
1983	3	0	3	171	3	3	6	70	0	0	0	2	6	3	9	243
1984	4	2	6	218	4	3	7	117	0	0	0	1	8	5	13	336
1985	6	0	6	184	4	0	4	132	0	1	1	0	10	1	11	316
1986	2	1	3	206	2	2	4	141	0	0	0	3	4	3	7	350
1987	0	2	2	209	10	3	13	159	0	0	0	3	10	5	15	371
1988	5	1	6	288	3	2	5	166	0	0	0	4	8	3	11	458
1989	4	0	4	353	3	1	4	181	0	0	0	7	7	1	8	541
Total																
1980	54	14	68	648	43	12	55	362	2	1	3	5	99	27	126	1015
1981	50	15	65	564	56	12	68	335	2	4	6	5	108	31	139	904
1982	43	18	61	563	39	13	52	299	3	4	7	16	85	35	120	878
1983	40	16	56	595	40	17	57	289	2	6	8	9	82	39	121	893
1984	31	15	46	670	32	16	48	378	0	3	3	7	63	34	97	1055
1985	30	11	41	644	38	19	57	438	3	1	4	2	71	31	102	1084
1986	28	17	45	679	55	26	81	429	0	1	1	10	83	44	127	1118
1987	27	10	37	754	34	18	52	523	2	2	4	11	63	30	93	1288
1988	43	18	61	976	31	11	42	461	0	0	0	15	74	29	103	1452
1989	32	13	45	1123	29	19	48	465	0	2	2	14	61	34	95	1602

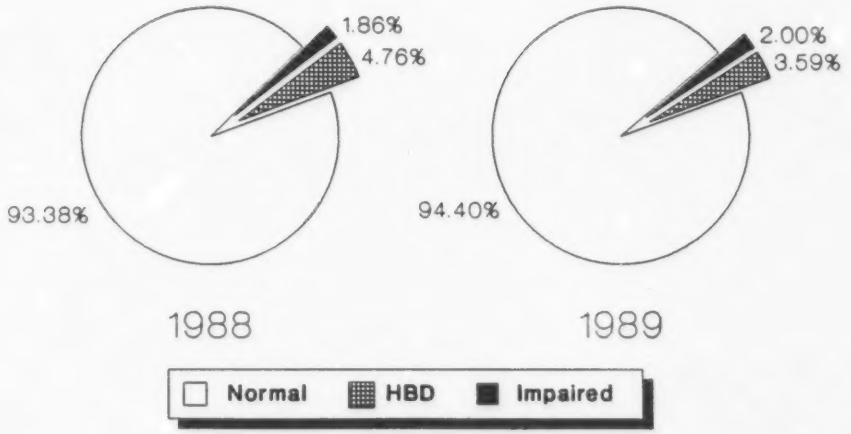
KEY: HBD -- Drivers reported by police to have been drinking
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

DUFFERIN

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



DUNDAS

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	33	14	47	239	24	9	33	82	0	2	2	7	57	25	82	328
1981	31	10	41	164	22	6	28	69	1	2	3	6	54	18	72	239
1982	28	4	32	170	15	5	20	60	3	1	4	4	46	10	56	234
1983	23	3	26	131	17	5	22	61	0	1	1	6	40	9	49	198
1984	28	7	35	206	23	13	36	88	1	1	2	5	52	21	73	299
1985	19	5	24	203	19	10	29	112	0	1	1	2	38	16	54	317
1986	17	9	26	202	16	9	25	98	2	1	3	0	35	19	54	300
1987	16	5	21	174	19	7	26	117	0	0	0	3	35	12	47	294
1988	9	9	18	199	13	5	18	79	1	1	2	1	23	15	38	279
1989	13	6	19	245	10	8	18	101	1	1	2	3	24	15	39	349
Female																
1980	3	0	3	87	1	1	2	31	0	0	0	1	4	1	5	119
1981	2	1	3	54	4	0	4	22	0	0	0	1	6	1	7	77
1982	2	0	2	60	5	0	5	25	1	0	1	2	8	0	8	87
1983	3	0	3	58	1	0	1	30	0	0	0	1	4	0	4	89
1984	2	1	3	80	1	0	1	34	0	0	0	0	3	1	4	114
1985	1	0	1	89	3	1	4	47	0	0	0	1	4	1	5	137
1986	2	0	2	82	1	2	3	36	0	0	0	0	3	2	5	118
1987	1	0	1	74	3	0	3	48	0	0	0	0	4	0	4	122
1988	1	0	1	80	2	1	3	51	0	0	0	0	3	1	4	131
1989	0	1	1	110	4	0	4	48	1	0	1	1	5	1	6	159
Total																
1980	36	14	50	326	25	10	35	113	0	2	2	8	61	26	87	447
1981	33	11	44	218	26	6	32	91	1	2	3	7	60	19	79	316
1982	30	4	34	230	20	5	25	85	4	1	5	6	54	10	64	321
1983	26	3	29	189	18	5	23	91	0	1	1	7	44	9	53	287
1984	30	8	38	286	24	13	37	122	1	1	2	5	55	22	77	413
1985	20	5	25	292	22	11	33	159	0	1	1	3	42	17	59	454
1986	19	9	28	284	17	11	28	134	2	1	3	0	38	21	59	418
1987	17	5	22	248	22	7	29	165	0	0	0	3	39	12	51	416
1988	10	9	19	279	15	6	21	130	1	1	2	1	26	16	42	410
1989	13	7	20	355	14	8	22	149	2	1	3	4	29	16	45	508

KEY: HBD -- Drivers reported by police to have been drinking
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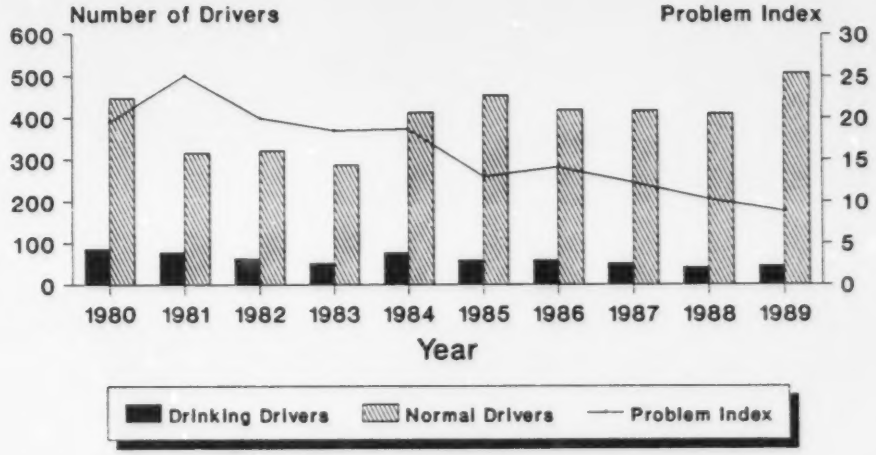
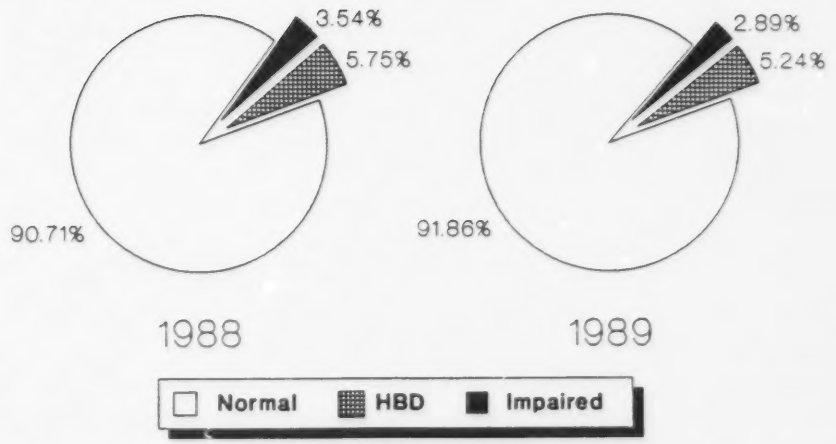
DUNDAS

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



DURHAM REGIONAL MUNICIPALITY

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	277	128	405	3542	308	148	456	2100	4	16	20	29	589	292	881	5671
1981	306	150	456	3849	309	121	430	2155	6	13	19	38	621	284	905	6042
1982	276	144	420	3664	268	112	380	2138	10	10	20	35	554	266	820	5837
1983	241	134	375	3525	302	130	432	1983	7	19	26	24	550	283	833	5532
1984	269	127	396	3818	295	121	416	2236	1	10	11	78	565	258	823	6132
1985	247	118	365	3795	269	131	400	2768	4	10	14	36	520	259	779	6599
1986	224	109	333	3904	235	127	362	2833	7	10	17	32	466	246	712	6769
1987	197	132	329	4188	234	163	397	3100	7	7	14	35	438	302	740	7323
1988	239	163	402	5275	177	150	327	2918	8	7	15	36	424	320	744	8229
1989	219	167	386	5756	136	147	283	2817	3	10	13	37	358	324	682	8610
Female																
1980	25	8	33	1367	52	9	61	877	1	5	6	3	78	22	100	2247
1981	19	13	32	1498	39	13	52	960	3	1	4	5	61	27	88	2463
1982	34	10	44	1455	41	9	50	943	1	0	1	9	76	19	95	2407
1983	41	12	53	1409	42	12	54	915	0	0	0	8	83	24	107	2332
1984	38	13	51	1589	31	11	42	1036	0	1	1	16	69	25	94	2641
1985	27	6	33	1677	41	9	50	1258	0	1	1	8	68	16	84	2943
1986	13	8	21	1749	24	6	30	1387	0	0	0	8	37	14	51	3144
1987	27	9	36	1842	42	15	57	1553	0	2	2	7	69	26	95	3402
1988	33	23	56	2378	41	18	59	1538	0	0	0	13	74	41	115	3929
1989	23	20	43	2926	23	20	43	1555	1	0	1	10	47	40	87	4491
Total																
1980	302	136	438	4909	360	157	517	2977	5	21	26	32	667	314	981	7918
1981	325	163	488	5162	348	134	482	3115	9	14	23	43	682	311	993	8320
1982	310	154	464	5119	309	121	430	3081	11	10	21	44	630	285	915	8244
1983	282	146	428	4934	344	142	486	2898	7	19	26	32	633	307	940	7864
1984	307	140	447	5407	326	132	458	3272	1	11	12	94	634	283	917	8773
1985	274	124	398	5472	310	140	450	4026	4	11	15	44	588	275	863	9542
1986	237	117	354	5653	259	133	392	4220	7	10	17	40	503	260	763	9913
1987	224	141	365	6030	276	178	454	4653	7	9	16	42	507	328	835	10725
1988	272	186	458	7653	218	168	386	4456	8	7	15	49	498	361	859	12158
1989	242	187	429	8682	159	167	326	4372	4	10	14	47	405	364	769	13101

KEY: HBD -- Drivers reported by police to have been drinking
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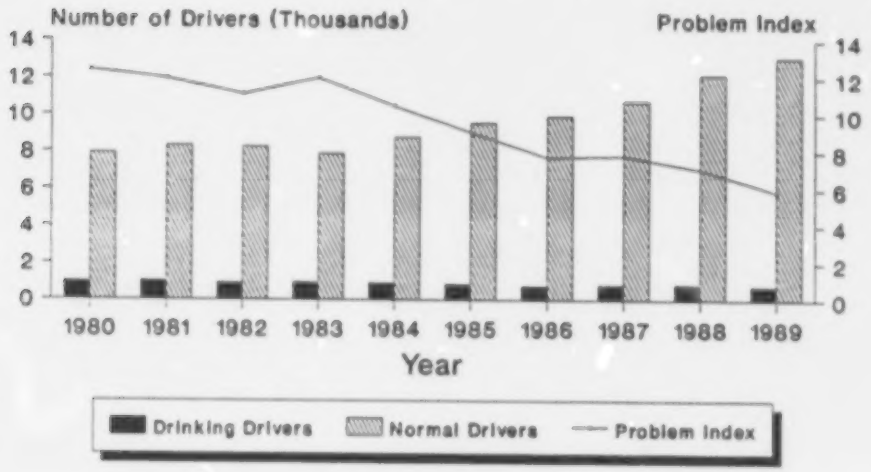
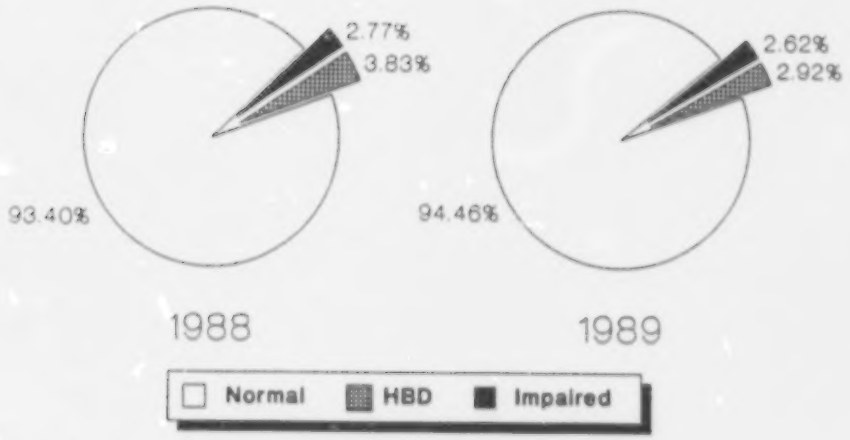
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

DURHAM REGIONAL MUNICIPALITY

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



ELGIN

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	80	43	123	671	80	34	114	418	4	4	8	7	164	81	245	1096
1981	73	44	117	634	62	26	88	333	3	4	7	9	138	74	212	976
1982	61	34	95	621	80	30	110	251	2	2	4	8	143	66	209	880
1983	53	28	81	574	45	31	76	290	0	2	2	5	98	61	159	869
1984	43	36	79	711	47	30	77	306	5	2	7	17	95	68	183	1034
1985	46	23	69	586	45	28	73	366	0	2	2	6	91	53	144	960
1986	38	23	61	625	39	25	64	406	0	6	6	7	77	54	131	1038
1987	34	19	53	604	31	32	63	415	1	4	5	6	66	55	121	1025
1988	38	18	56	670	41	21	62	449	0	4	4	4	79	43	122	1123
1989	27	17	44	730	39	26	65	505	2	3	5	4	68	46	114	1239
Female																
1980	8	3	11	261	15	7	22	199	1	0	1	0	24	10	34	460
1981	9	5	14	284	7	1	8	161	0	0	0	8	16	6	22	451
1982	8	2	10	248	8	3	11	136	2	0	2	3	18	5	23	387
1983	4	1	5	254	5	5	10	162	0	0	0	2	9	6	15	418
1984	4	4	8	321	10	2	12	161	0	0	0	3	14	6	20	485
1985	4	5	9	299	5	4	9	219	0	0	0	4	9	9	18	522
1986	6	3	9	267	4	4	8	211	0	0	0	2	10	7	17	480
1987	4	5	9	306	8	3	11	267	1	0	1	4	13	8	21	579
1988	1	4	5	346	5	4	9	273	1	0	1	1	7	8	15	620
1989	6	1	7	414	5	3	8	273	0	0	0	1	11	4	15	688
Total																
1980	88	46	134	932	95	41	136	617	5	4	9	7	188	91	279	1556
1981	82	49	131	918	69	27	96	494	3	4	7	15	154	80	234	1427
1982	69	36	105	869	88	33	121	387	4	2	6	11	161	71	232	1267
1983	57	29	86	828	50	36	86	452	0	2	2	7	107	67	174	1287
1984	47	40	87	1032	57	32	89	467	5	2	7	20	109	74	183	1519
1985	50	28	78	887	50	32	82	585	0	2	2	10	100	62	162	1482
1986	44	26	70	892	43	29	72	617	0	6	6	9	87	61	148	1518
1987	38	24	62	912	39	35	74	682	2	4	6	10	79	63	142	1604
1988	39	22	61	1016	46	25	71	722	1	4	5	5	86	51	137	1743
1989	33	18	51	1144	44	29	73	778	2	3	5	5	79	50	129	1927

KEY: HBD -- Drivers reported by police to have been drinking
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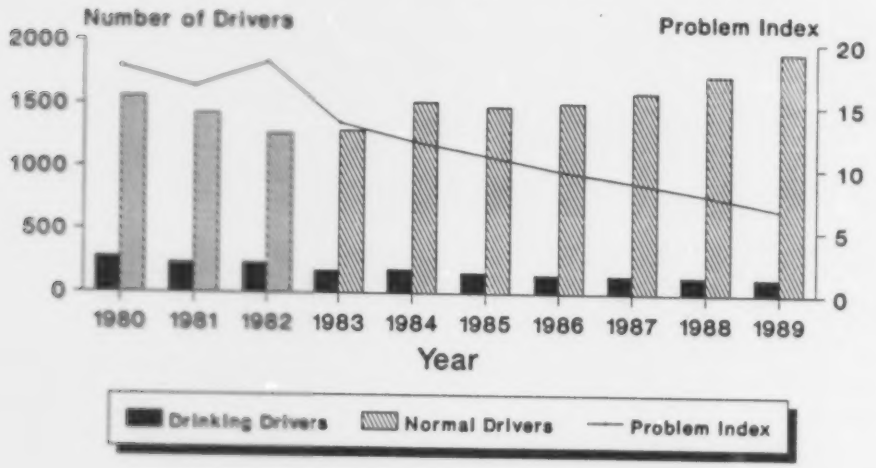
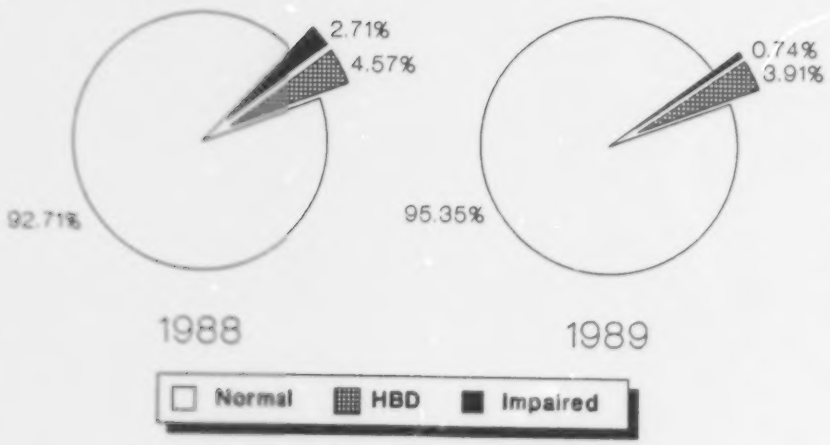
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

ELGIN

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



ESSEX

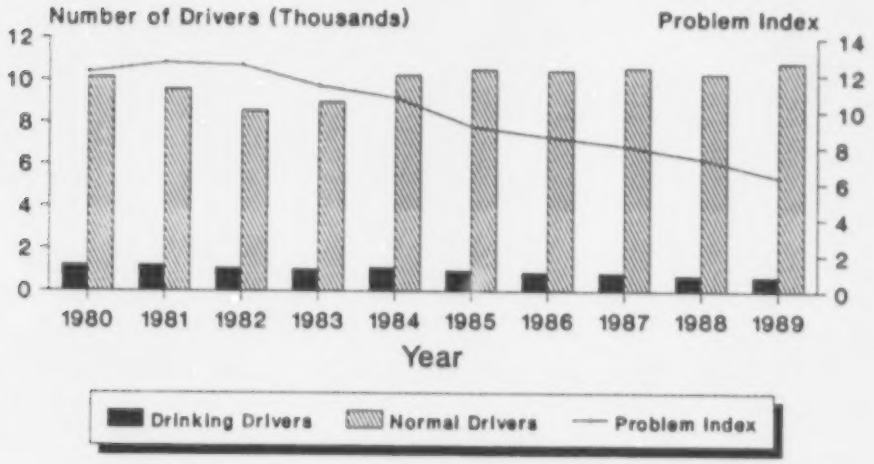
Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	363	194	557	4734	400	127	527	2565	13	9	22	32	776	330	1106	7331
1981	373	162	535	4312	375	135	510	2439	13	2	15	20	761	299	1060	6771
1982	297	139	436	3785	385	124	509	2267	6	7	13	19	688	270	958	6071
1983	294	150	444	3890	332	102	434	2392	4	12	16	28	630	264	894	6310
1984	299	176	475	4468	339	153	492	2627	5	11	16	21	643	340	983	7116
1985	229	139	368	4272	332	145	477	2994	9	8	17	25	570	292	862	7291
1986	228	118	346	4162	277	132	409	2983	3	11	14	35	508	261	769	7180
1987	236	112	348	4121	241	135	376	3014	4	11	15	24	481	258	739	7159
1988	192	112	304	4176	219	125	344	2610	3	10	13	27	414	247	661	6813
1989	193	105	298	4458	160	124	284	2581	10	9	19	32	363	238	601	7071
Female																
1980	37	8	45	1749	54	14	68	1034	4	1	5	5	95	23	118	2788
1981	58	26	84	1706	52	10	62	1074	0	1	1	6	110	37	147	2786
1982	34	7	41	1535	53	15	68	942	0	2	2	9	87	24	111	2486
1983	42	13	55	1587	52	12	64	1047	1	1	2	9	95	26	121	2643
1984	38	16	54	1899	46	10	56	1210	0	1	1	5	84	27	111	3114
1985	27	16	43	1781	40	11	51	1421	0	0	0	9	67	27	94	3211
1986	29	25	54	1788	44	24	68	1474	0	2	2	6	73	51	124	3268
1987	32	19	51	1909	40	20	60	1525	0	0	0	5	72	39	111	3439
1988	30	20	50	2069	36	8	44	1425	1	0	1	4	67	28	95	3498
1989	27	18	45	2261	30	8	38	1516	1	0	1	9	58	26	84	3786
Total																
1980	400	202	602	6483	454	141	595	3599	17	10	27	37	871	353	1224	10119
1981	431	188	619	6018	427	145	572	3513	13	3	16	26	871	336	1207	9557
1982	331	146	477	5320	438	139	577	3209	6	9	15	28	775	294	1069	8557
1983	336	163	499	5477	384	114	498	3439	5	13	18	37	725	290	1015	8953
1984	337	192	529	6367	385	163	548	3837	5	12	17	26	727	367	1094	10230
1985	256	155	411	6053	372	156	528	4415	9	8	17	34	637	319	956	10502
1986	257	143	400	5950	321	156	477	4457	3	13	16	41	581	312	893	10448
1987	268	131	399	6030	281	155	436	4539	4	11	15	29	553	297	850	10598
1988	222	132	354	6245	255	133	388	4035	4	10	14	31	481	275	756	10311
1989	220	123	343	6719	190	132	322	4097	11	9	20	41	421	264	685	10857

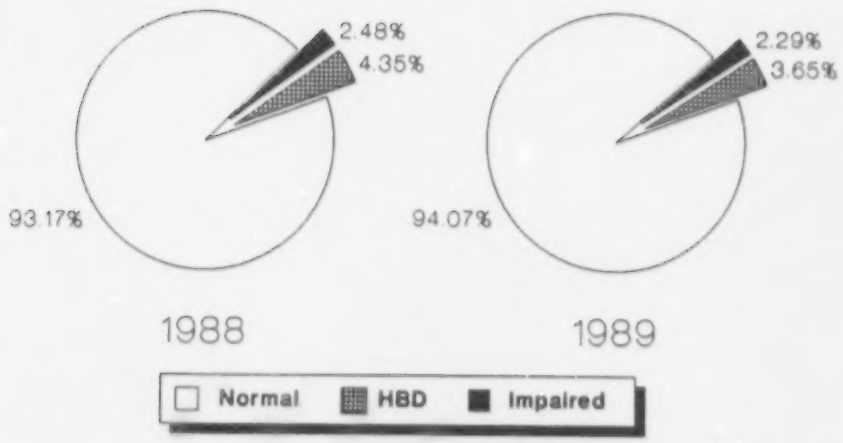
KEY: HBD -- Drivers reported by police to have been drinking
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

ESSEX

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



FRONTENAC

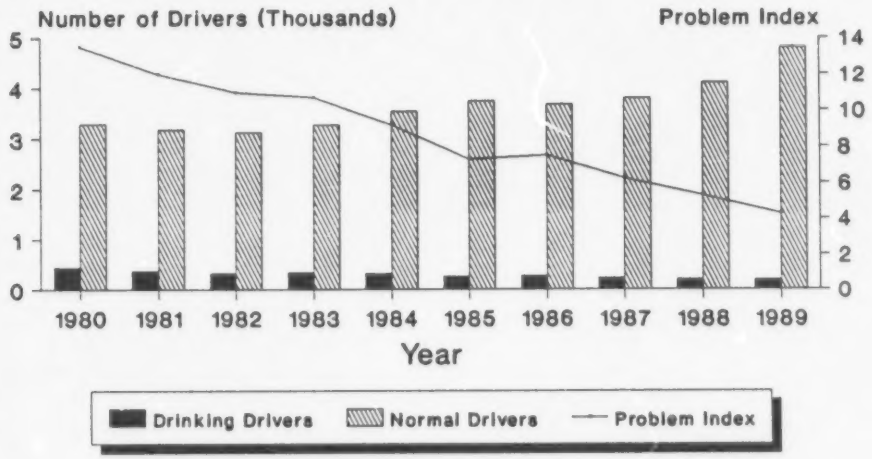
Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	137	77	214	1539	118	69	187	787	0	3	3	15	255	149	404	2341
1981	106	63	169	1453	101	60	161	783	1	3	4	7	208	126	334	2243
1982	103	63	166	1429	75	61	136	726	0	7	7	3	178	131	309	2160
1983	96	58	154	1515	99	50	149	774	3	2	5	13	198	110	308	2302
1984	86	56	142	1659	93	61	144	838	0	3	3	6	169	120	289	2503
1985	70	46	116	1689	71	41	112	951	3	2	5	11	144	89	233	2651
1986	53	61	114	1584	72	51	123	902	1	7	8	14	126	119	245	2500
1987	48	59	107	1595	51	42	93	983	0	6	6	10	99	107	206	2588
1988	67	56	123	1865	32	35	67	900	1	3	4	9	100	94	194	2774
1989	46	45	91	2259	46	39	85	992	2	0	2	5	94	84	178	3256
Female																
1980	18	6	24	596	14	3	17	355	0	0	0	1	32	9	41	952
1981	12	5	17	588	23	6	29	338	0	0	0	3	35	11	46	929
1982	16	6	22	816	9	1	10	339	0	0	0	0	25	7	32	955
1983	16	4	20	642	15	6	21	322	0	0	0	5	31	10	41	969
1984	9	3	12	640	14	7	21	400	2	0	2	2	25	10	35	1042
1985	14	4	18	666	15	6	21	426	0	0	0	1	29	10	39	1093
1986	5	9	14	710	11	5	16	464	0	1	1	7	16	15	31	1181
1987	10	6	16	728	10	4	14	484	0	0	0	2	20	10	30	1214
1988	6	4	10	845	4	7	11	482	0	1	1	2	10	12	22	1329
1989	9	4	13	1034	8	4	12	517	0	1	1	3	17	9	26	1554
Total																
1980	155	83	238	2135	132	72	204	1142	0	3	3	16	287	158	445	3293
1981	118	68	186	2041	124	66	190	1121	1	3	4	10	243	137	380	3172
1982	119	69	188	2045	84	62	146	1067	0	7	7	3	203	138	341	3115
1983	112	62	174	2157	114	56	170	1096	3	2	5	18	229	120	349	3271
1984	95	59	154	2299	97	68	165	1238	2	3	5	8	194	130	324	3545
1985	84	50	134	2355	86	47	133	1377	3	2	5	12	173	99	272	3744
1986	58	70	128	2294	83	56	139	1366	1	8	9	21	142	134	276	3681
1987	58	65	123	2323	61	46	107	1467	0	6	6	12	119	117	236	3802
1988	73	60	133	2710	36	42	78	1382	1	4	5	11	110	106	216	4103
1989	55	49	104	3293	54	43	97	1509	2	1	3	8	111	93	204	4810

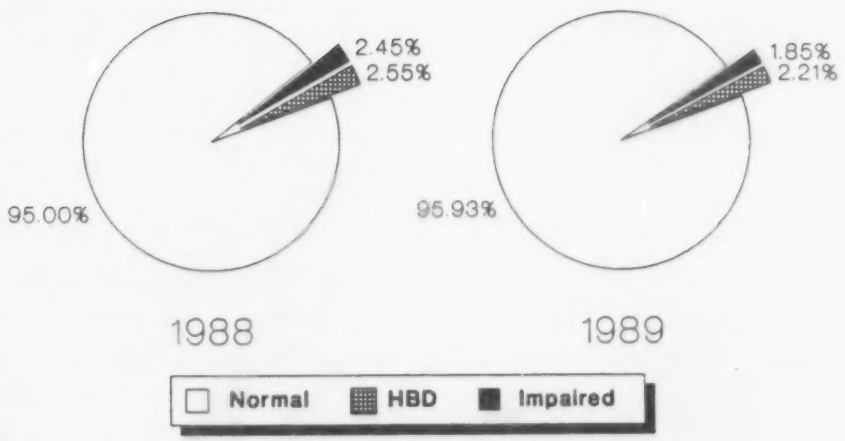
KEY: HBD -- Drivers reported by police to have been drinking
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

FRONTENAC

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



GLENGARRY

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	44	10	54	293	46	13	59	142	2	2	4	3	92	25	117	438
1981	42	7	49	271	36	10	46	146	4	0	4	7	82	17	99	424
1982	36	6	42	290	48	6	54	129	0	5	5	3	84	17	101	422
1983	37	8	45	300	41	10	51	136	0	1	1	5	78	19	97	441
1984	39	5	44	326	28	11	39	144	0	2	2	3	67	18	85	473
1985	25	14	39	310	35	7	42	160	0	0	0	2	60	21	81	472
1986	29	5	34	236	17	6	23	123	1	1	2	2	47	12	59	361
1987	29	4	33	260	17	9	26	152	3	0	3	4	49	13	62	416
1988	32	6	38	345	22	9	31	143	1	0	1	1	55	15	70	489
1989	21	6	27	338	14	6	20	128	4	0	4	6	39	12	51	472
Female																
1980	4	1	5	84	3	1	4	42	1	0	1	0	8	2	10	126
1981	5	0	5	88	2	1	3	47	0	0	0	0	7	1	8	135
1982	5	0	5	76	2	0	2	52	0	0	0	0	7	0	7	128
1983	2	0	2	89	1	0	1	65	0	0	0	0	3	0	3	154
1984	3	0	3	104	3	0	3	53	0	0	0	1	6	0	6	158
1985	3	1	4	103	4	0	4	53	0	1	1	0	7	2	9	156
1986	2	0	2	90	2	0	2	53	0	0	0	0	4	0	4	143
1987	0	0	0	123	5	2	7	68	0	1	1	0	5	3	8	191
1988	1	0	1	126	0	0	0	67	0	1	1	0	1	1	2	193
1989	1	0	1	130	5	0	5	55	0	0	0	0	6	0	6	185
Total																
1980	48	11	59	377	49	14	63	184	3	2	5	3	100	27	127	564
1981	47	7	54	359	38	11	49	193	4	0	4	7	89	18	107	559
1982	41	6	47	366	50	6	56	181	0	5	5	3	91	17	108	550
1983	39	8	47	389	42	10	52	201	0	1	1	5	81	19	100	595
1984	42	5	47	430	31	11	42	197	0	2	2	4	73	18	91	631
1985	28	15	43	413	39	7	46	213	0	1	1	2	67	23	90	628
1986	31	5	36	326	19	6	25	176	1	1	2	2	51	12	63	504
1987	29	4	33	383	22	11	33	220	3	1	4	4	54	16	70	607
1988	33	6	39	471	22	9	31	210	1	1	2	1	56	16	72	682
1989	22	6	28	468	19	6	25	183	4	0	4	6	45	12	57	657

KEY: HBD -- Drivers reported by police to have been drinking
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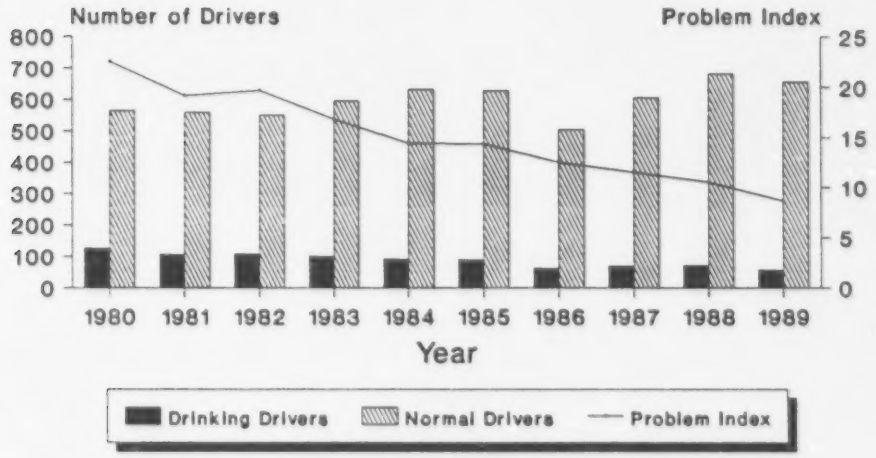
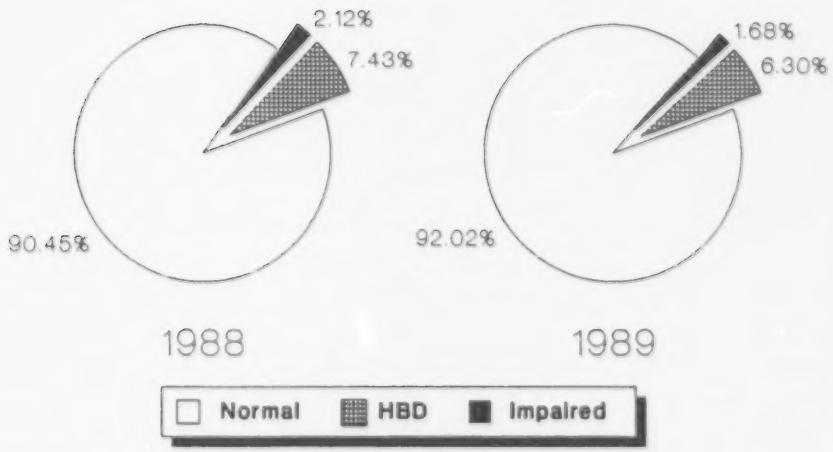
GLENGARRY

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



GRENVILLE

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	39	12	51	281	38	11	49	144	2	3	5	8	79	26	105	433
1981	22	11	33	246	37	9	46	119	1	0	1	8	60	20	80	373
1982	33	13	46	247	31	16	47	109	1	3	4	3	65	32	97	359
1983	32	11	43	312	33	10	43	134	1	2	3	8	66	23	89	454
1984	21	8	29	293	33	12	45	139	0	2	2	3	54	22	76	435
1985	33	8	41	315	31	8	39	158	1	2	3	10	65	18	83	483
1986	33	3	36	258	27	8	35	129	1	0	1	4	61	11	72	391
1987	19	11	30	297	24	3	27	146	0	3	3	7	43	17	60	450
1988	31	9	40	337	17	10	27	142	0	2	2	11	48	21	69	490
1989	13	13	26	428	18	8	26	189	0	0	0	4	31	21	52	621
Female																
1980	4	3	7	102	1	0	1	62	0	0	0	1	5	3	8	165
1981	3	1	4	91	5	0	5	44	0	1	1	1	8	2	10	136
1982	4	2	6	102	3	2	5	44	0	0	0	1	7	4	11	147
1983	4	2	6	134	8	1	9	59	0	0	0	1	12	3	15	194
1984	4	0	4	120	3	1	4	64	0	0	0	2	7	1	8	186
1985	5	0	5	133	13	0	13	71	0	0	0	2	18	0	18	206
1986	2	0	2	110	5	0	5	66	0	0	0	0	7	0	7	176
1987	1	1	2	114	2	0	2	92	1	0	1	2	4	1	5	208
1988	3	0	3	179	1	0	1	59	1	0	1	0	5	0	5	238
1989	2	0	2	196	1	0	1	99	0	0	0	1	3	0	3	296
Total																
1980	43	15	58	383	39	11	50	206	2	3	5	9	84	29	113	598
1981	25	12	37	337	42	9	51	163	1	1	2	9	68	22	90	509
1982	37	15	52	349	34	18	52	153	1	3	4	4	72	36	108	506
1983	36	13	49	446	41	11	52	193	1	2	3	9	78	26	104	648
1984	25	8	33	413	36	13	49	203	0	2	2	5	61	23	84	621
1985	38	8	46	448	44	8	52	229	1	2	3	12	83	18	101	689
1986	35	3	38	368	32	8	40	195	1	0	1	4	68	11	79	567
1987	20	12	32	411	26	3	29	238	1	3	4	9	47	18	65	658
1988	34	9	43	516	18	10	28	201	1	2	3	11	53	21	74	728
1989	15	13	28	624	19	8	27	288	0	0	0	5	34	21	55	917

KEY: HBD -- Drivers reported by police to have been drinking
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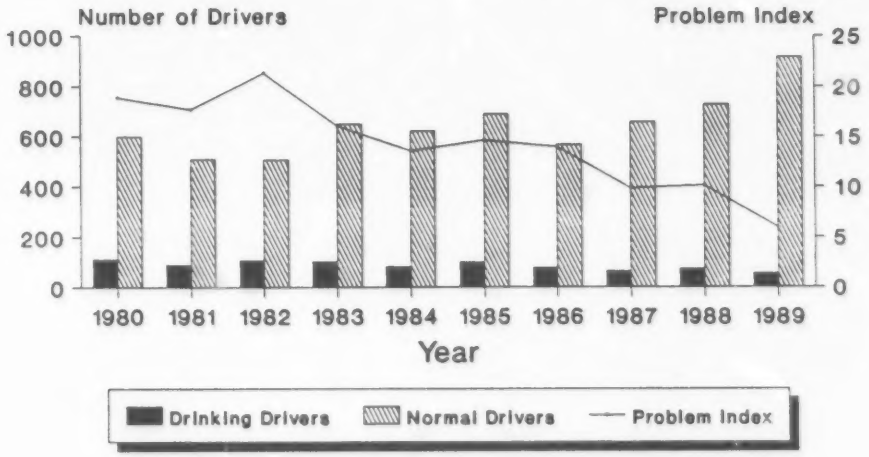
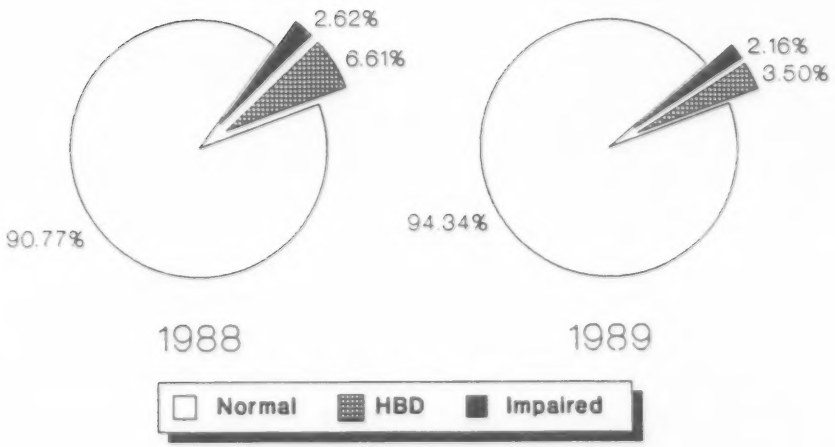
GRENVILLE

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



GREY

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	88	43	131	867	99	38	137	461	4	0	4	7	191	81	272	1335
1981	110	40	150	853	96	27	123	428	3	1	4	12	209	68	277	1293
1982	80	31	111	840	73	25	98	379	3	4	7	5	156	60	216	1224
1983	80	38	118	756	96	28	124	381	3	5	8	8	179	71	250	1145
1984	69	40	109	823	93	22	115	362	1	7	8	6	163	69	232	1191
1985	51	28	79	813	76	29	105	437	4	2	6	15	131	59	190	1265
1986	43	17	60	691	78	27	105	397	2	5	7	5	123	49	172	1093
1987	56	20	76	833	66	28	94	502	2	0	2	11	124	48	172	1346
1988	54	28	82	895	42	22	64	426	1	5	6	7	97	55	152	1328
1989	37	25	62	993	50	23	73	525	11	1	12	20	98	49	147	1538
Female																
1980	4	0	4	349	17	4	21	194	0	1	1	8	21	5	26	551
1981	9	3	12	319	14	1	15	195	0	1	1	2	23	5	28	516
1982	8	0	8	329	8	1	9	168	0	0	0	1	16	1	17	498
1983	7	3	10	264	9	1	10	155	0	0	0	4	16	4	20	423
1984	8	3	11	387	16	1	17	203	0	0	0	5	24	4	28	595
1985	4	4	8	331	5	1	6	228	0	1	1	1	9	6	15	560
1986	3	5	8	336	4	3	7	173	1	0	1	3	8	8	16	512
1987	3	6	9	437	14	3	17	221	0	1	1	2	17	10	27	660
1988	6	2	8	448	6	1	7	254	1	0	1	8	13	3	16	710
1989	2	1	3	504	6	3	9	260	0	0	0	4	8	4	12	768
Total																
1980	92	43	135	1216	116	42	158	655	4	1	5	15	212	86	298	1886
1981	119	43	162	1172	110	28	138	623	3	2	5	14	232	73	305	1809
1982	88	31	119	1169	81	26	107	547	3	4	7	6	172	61	233	1722
1983	87	41	128	1020	105	29	134	536	3	5	8	12	195	75	270	1568
1984	77	43	120	1210	109	23	132	565	1	7	8	11	187	73	260	1786
1985	55	32	87	1144	81	30	111	665	4	3	7	16	140	65	205	1825
1986	46	22	68	1027	82	30	112	570	3	5	8	8	131	57	188	1605
1987	59	26	85	1270	80	31	111	723	2	1	3	13	141	58	199	2006
1988	60	30	90	1343	48	23	71	680	2	5	7	15	110	58	168	2038
1989	39	26	65	1497	56	26	82	785	11	1	12	24	106	53	159	2306

KEY: HBD -- Drivers reported by police to have been drinking
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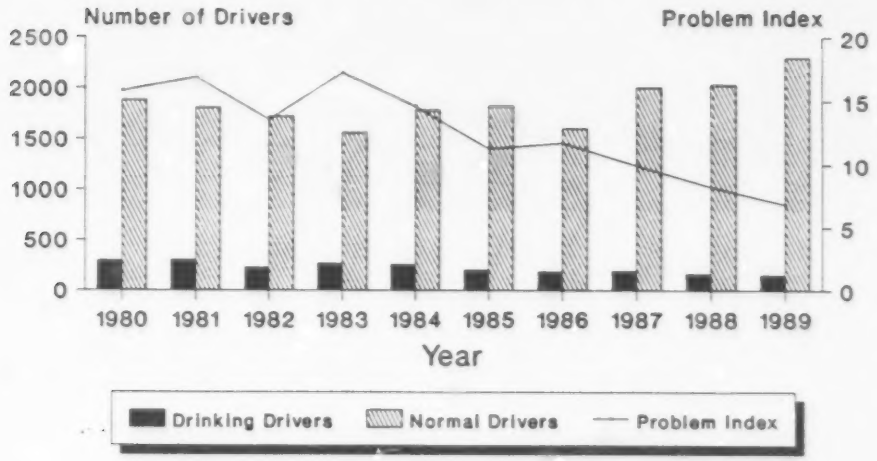
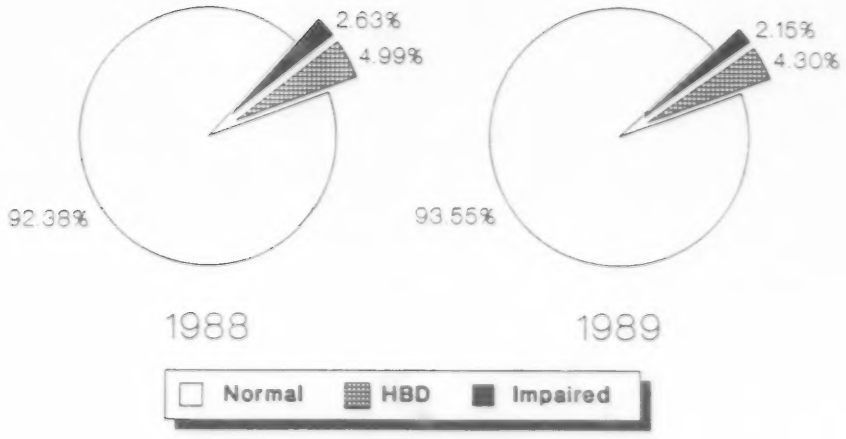
GREY

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



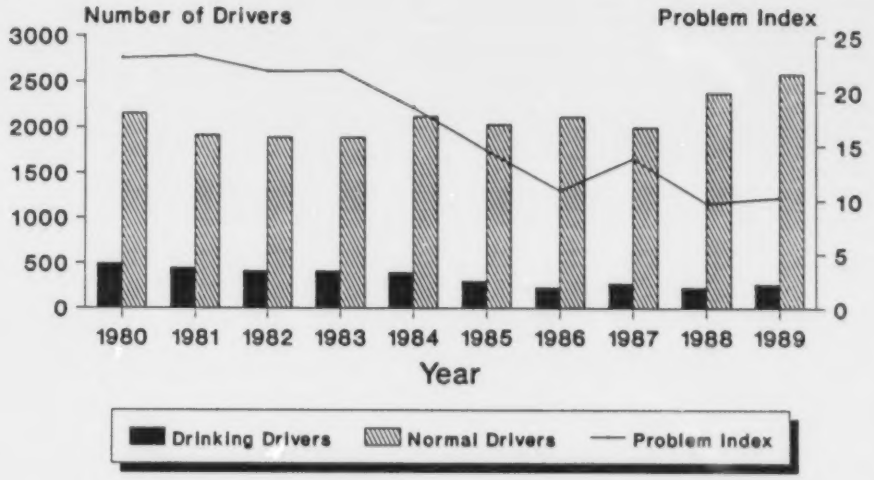
HALDIMAND-NORFOLK REGIONAL MUNICIPALITY

Drivers Involved in Traffic Crashes, 1980 - 1989

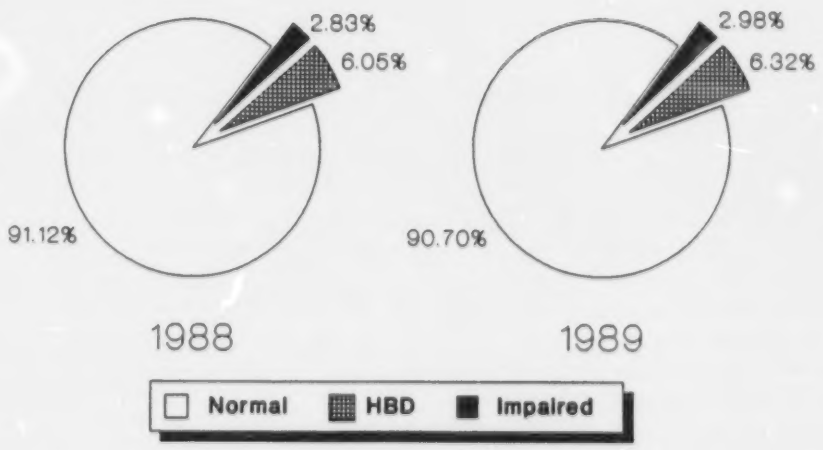
Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	155	49	204	956	173	46	219	533	10	5	15	14	338	100	438	1503
1981	151	51	202	869	180	25	205	480	0	3	3	15	331	79	410	1364
1982	142	36	178	866	156	32	188	480	6	6	12	10	304	74	378	1356
1983	113	43	156	814	166	36	202	492	4	10	14	10	283	89	372	1316
1984	118	38	156	906	163	24	187	527	8	6	14	21	289	68	357	1454
1985	77	35	112	909	114	25	139	473	4	6	10	17	195	66	261	1399
1986	68	21	89	915	79	36	115	509	3	2	5	12	150	59	209	1436
1987	80	27	107	777	91	30	121	526	5	7	12	15	176	64	240	1318
1988	67	24	91	1000	70	39	109	535	3	4	7	13	140	67	207	1548
1989	76	34	110	1182	74	38	112	500	7	2	9	14	157	74	231	1696
Female																
1980	11	4	15	406	32	6	38	238	2	1	3	4	45	11	56	648
1981	9	4	13	342	18	3	21	207	0	0	0	3	27	7	34	552
1982	15	4	19	307	11	3	14	223	1	0	1	4	27	7	34	534
1983	16	1	17	345	21	1	22	223	1	1	2	6	38	3	41	574
1984	15	3	18	410	14	2	16	253	1	0	1	5	30	5	35	668
1985	15	3	18	390	15	2	17	241	0	0	0	2	30	5	35	633
1986	5	3	8	393	11	1	12	277	0	1	1	7	16	5	21	677
1987	13	1	14	386	20	2	22	293	0	0	0	3	33	3	36	682
1988	7	4	11	559	10	3	13	270	1	0	1	4	18	7	25	833
1989	8	5	13	598	15	6	21	284	0	0	0	7	23	11	34	889
Total																
1980	166	53	219	1362	205	52	257	771	12	6	18	18	383	111	494	2151
1981	160	55	215	1211	198	28	226	687	0	3	3	18	358	86	444	1916
1982	157	40	197	1173	167	35	202	703	7	6	13	14	331	81	412	1890
1983	129	44	173	1159	187	37	224	715	5	11	16	16	321	92	413	1890
1984	133	41	174	1316	177	26	203	780	9	6	15	26	319	73	392	2122
1985	92	38	130	1299	129	27	156	714	4	6	10	19	225	71	296	2032
1986	73	24	97	1308	90	37	127	786	3	3	6	19	166	64	230	2113
1987	93	28	121	1163	111	32	143	819	5	7	12	18	209	67	276	2000
1988	74	28	102	1559	80	42	122	805	4	4	8	17	158	74	232	2381
1989	84	39	123	1780	89	44	133	784	7	2	9	21	180	85	265	2585

KEY: HBD -- Drivers reported by police to have been drinking
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

HALDIMAND-NORFOLK REGIONAL MUNICIPALITY
Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



HALIBURTON

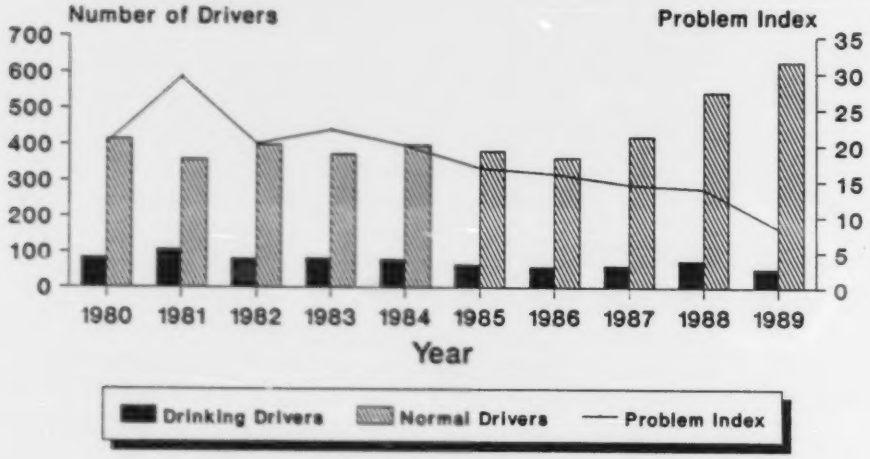
Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	27	5	32	210	30	6	36	101	5	3	8	5	62	14	76	316
1981	34	10	44	181	36	12	48	83	0	1	1	0	70	23	93	264
1982	25	4	29	185	34	10	44	101	0	0	0	2	59	14	73	288
1983	34	8	42	179	25	4	29	92	0	2	2	2	59	14	73	273
1984	20	6	26	202	33	6	39	85	1	1	2	2	54	13	67	289
1985	20	4	24	191	21	8	29	78	2	1	3	3	43	13	56	272
1986	18	4	22	167	24	5	29	94	2	1	3	1	44	10	54	262
1987	29	4	33	214	12	6	18	99	2	1	3	1	43	11	54	314
1988	21	7	28	289	34	5	39	89	2	2	4	7	57	14	71	385
1989	18	8	26	279	13	4	17	143	2	0	2	3	33	12	45	425
Female																
1980	4	0	4	55	3	0	3	44	1	0	1	0	8	0	8	99
1981	6	2	8	49	3	1	4	43	0	0	0	2	9	3	12	94
1982	2	0	2	65	2	2	4	45	0	1	1	1	4	3	7	111
1983	2	0	2	62	6	1	7	37	0	0	0	1	8	1	9	100
1984	3	1	4	75	5	2	7	34	1	0	1	0	9	3	12	109
1985	2	0	2	60	5	0	5	49	1	0	1	1	8	0	8	110
1986	0	1	1	60	3	0	3	41	0	0	0	0	3	1	4	101
1987	2	0	2	67	5	0	5	41	0	0	0	1	7	0	7	109
1988	2	0	2	105	2	0	2	56	0	1	1	1	4	1	5	162
1989	2	2	4	143	4	0	4	60	0	0	0	2	6	2	8	205
Total																
1980	31	5	36	265	33	6	39	145	6	3	9	5	70	14	84	415
1981	40	12	52	230	39	13	52	126	0	1	1	2	79	26	105	358
1982	27	4	31	250	36	12	48	146	0	1	1	3	63	17	80	399
1983	36	8	44	241	31	5	36	129	0	2	2	3	67	15	82	373
1984	23	7	30	277	38	8	46	119	2	1	3	2	63	16	79	398
1985	22	4	26	251	26	8	34	127	3	1	4	4	51	13	64	382
1986	18	5	23	227	27	5	32	135	2	1	3	1	47	11	58	363
1987	31	4	35	281	17	6	23	140	2	1	3	2	50	11	61	423
1988	23	7	30	394	36	5	41	145	2	3	5	8	61	15	76	547
1989	20	10	30	422	17	4	21	203	2	0	2	5	39	14	53	630

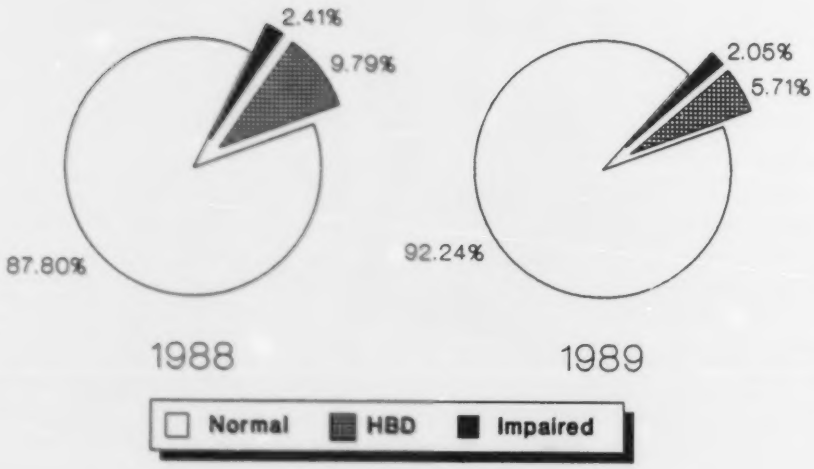
KEY: HBD -- Drivers reported by police to have been drinking
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

HALIBURTON

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



HALTON REGIONAL MUNICIPALITY

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	260	116	376	3922	296	113	409	1974	10	11	21	28	566	240	806	5924
1981	262	142	404	3929	259	103	362	2314	7	9	16	19	528	254	782	6262
1982	236	111	347	3718	274	94	368	1883	4	6	10	19	514	211	725	5620
1983	216	96	312	3278	202	96	298	1855	6	11	17	22	424	203	627	5155
1984	230	116	346	3491	189	106	295	2020	4	12	16	32	423	234	657	5543
1985	178	74	252	3694	161	92	253	2030	7	8	15	15	346	174	520	5739
1986	112	91	203	3525	114	85	199	2343	6	9	15	25	232	185	417	5893
1987	108	96	204	3793	127	124	251	2270	7	8	15	30	242	228	470	6093
1988	129	95	224	5052	127	84	211	2267	8	10	18	22	264	189	453	7341
1989	125	110	235	5567	102	84	186	2138	7	3	10	29	234	197	431	7734
Female																
1980	25	11	36	1506	36	13	49	855	1	0	1	6	62	24	86	2367
1981	34	10	44	1600	36	12	48	983	1	0	1	5	71	22	93	2588
1982	26	5	31	1562	30	8	38	845	0	0	0	2	56	13	69	2409
1983	36	10	46	1487	38	6	44	927	0	0	0	5	74	16	90	2419
1984	32	11	43	1529	30	9	39	886	1	0	1	8	63	20	83	2423
1985	29	13	42	1608	25	5	30	1016	1	0	1	3	55	18	73	2627
1986	19	4	23	1612	27	15	42	1134	1	0	1	7	47	19	66	2753
1987	16	9	25	1805	21	9	30	1170	0	0	0	8	37	18	55	2983
1988	22	10	32	2402	19	8	27	1176	0	0	0	4	41	18	59	3582
1989	13	15	28	2705	18	8	26	1183	0	1	1	10	31	24	55	3898
Total																
1980	285	127	412	5428	332	126	458	2829	11	11	22	34	628	264	892	8291
1981	296	152	448	5529	295	115	410	3297	8	9	17	24	599	276	875	8850
1982	262	116	378	5280	304	102	406	2728	4	6	10	21	570	224	794	8029
1983	252	106	358	4765	240	102	342	2782	6	11	17	27	498	219	717	7574
1984	262	127	389	5020	219	115	334	2906	5	12	17	40	486	254	740	7966
1985	207	87	294	5302	186	97	283	3046	8	8	16	18	401	192	593	8366
1986	131	95	226	5137	141	100	241	3477	7	9	16	32	279	204	483	8646
1987	124	105	229	5598	148	133	281	3440	7	8	15	38	279	246	525	9076
1988	151	105	256	7454	146	92	238	3443	8	10	18	26	305	207	512	10923
1989	131	125	263	8272	120	92	212	3321	7	4	11	39	265	221	486	11632

KEY: HBD -- Drivers reported by police to have been drinking
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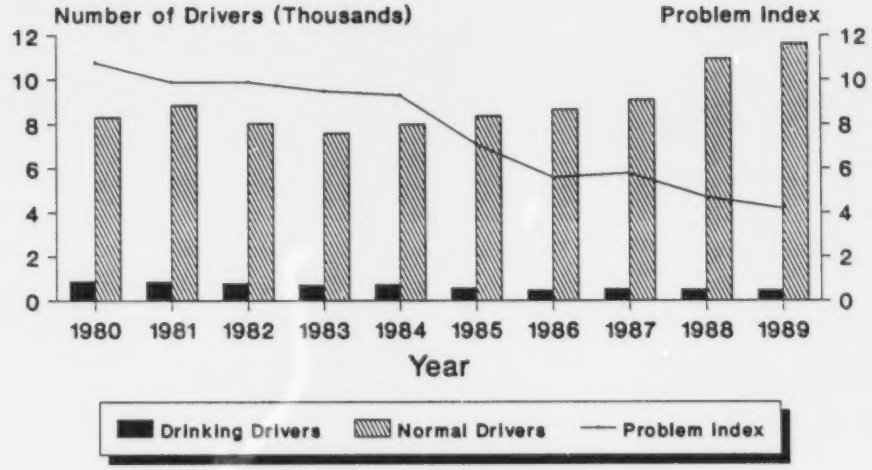
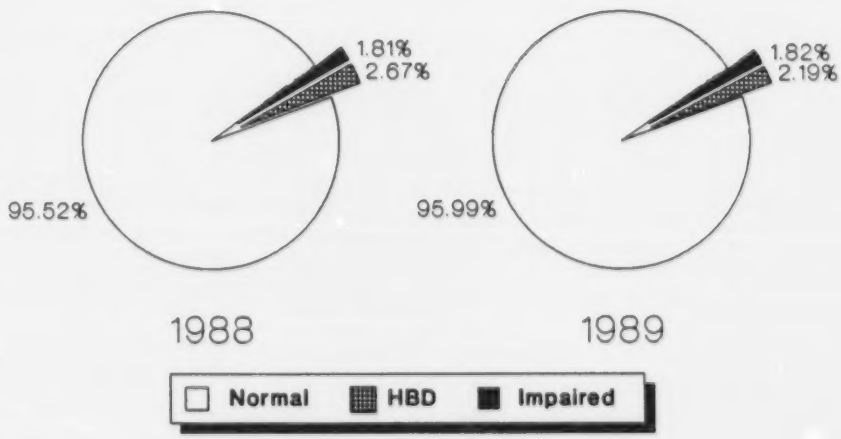
NOR -- Drivers whose condition was reported by police as "normal"

HALTON REGIONAL MUNICIPALITY
Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



HAMILTON-WENTWORTH REGIONAL MUNICIPALITY

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	307	191	498	6658	350	168	518	4219	10	12	22	39	667	371	1038	10916
1981	313	231	544	6902	394	178	572	4334	10	6	16	34	717	415	1132	11270
1982	307	197	504	5991	335	158	493	3673	5	11	16	32	647	366	1013	9696
1983	251	150	401	5639	316	128	444	3609	5	9	14	22	572	287	859	9270
1984	252	163	415	5742	236	137	373	3682	7	9	16	36	495	309	804	9460
1985	181	141	322	5788	228	155	383	4343	5	10	15	32	414	306	720	10163
1986	160	130	290	5549	175	175	350	4511	5	7	12	37	340	312	652	10097
1987	160	130	290	5967	173	160	333	4992	7	12	19	39	340	302	642	10998
1988	185	145	330	7429	150	117	267	4271	9	4	13	38	344	266	610	11738
1989	190	136	326	7519	130	128	258	4439	5	5	10	35	325	269	594	11993
Female																
1980	26	9	35	2071	34	10	44	1402	1	0	1	9	61	19	80	3482
1981	27	16	43	2146	58	14	72	1517	0	1	1	4	85	31	116	3667
1982	45	19	64	1969	34	13	47	1355	1	0	1	7	80	32	112	3331
1983	28	7	35	1974	42	13	55	1352	0	1	1	8	70	21	91	3334
1984	19	22	41	2143	27	19	46	1384	0	1	1	7	46	42	88	3534
1985	13	11	24	2206	25	18	43	1687	1	0	1	4	39	29	68	3897
1986	26	10	36	2229	19	16	35	1904	0	0	0	13	45	26	71	4146
1987	25	9	34	2333	28	12	40	2183	0	2	2	5	53	23	76	4521
1988	27	24	51	3021	22	10	32	1953	0	1	1	9	49	35	84	4983
1989	21	16	37	3220	10	15	25	2094	0	1	1	8	31	32	63	5322
Total																
1980	333	200	533	8729	384	178	562	5621	11	12	23	48	728	390	1118	14398
1981	340	247	587	9048	452	192	644	5851	10	7	17	38	802	446	1248	14937
1982	352	216	568	7960	369	171	540	5028	6	11	17	39	727	398	1125	13027
1983	279	157	436	7613	358	141	499	4961	5	10	15	30	642	308	950	12604
1984	271	185	456	7885	263	156	419	5066	7	10	17	43	541	351	892	12994
1985	194	152	346	7994	253	173	426	6030	6	10	16	36	453	335	788	14060
1986	186	140	326	7778	194	191	385	6415	5	7	12	50	385	338	723	14243
1987	185	139	324	8300	201	172	373	7175	7	14	21	44	393	325	718	15519
1988	212	169	381	10450	172	127	299	6224	9	5	14	47	393	301	694	16721
1989	211	152	363	10739	140	143	283	6533	5	6	11	43	356	301	657	17315

KEY: HBD -- Drivers reported by police to have been drinking
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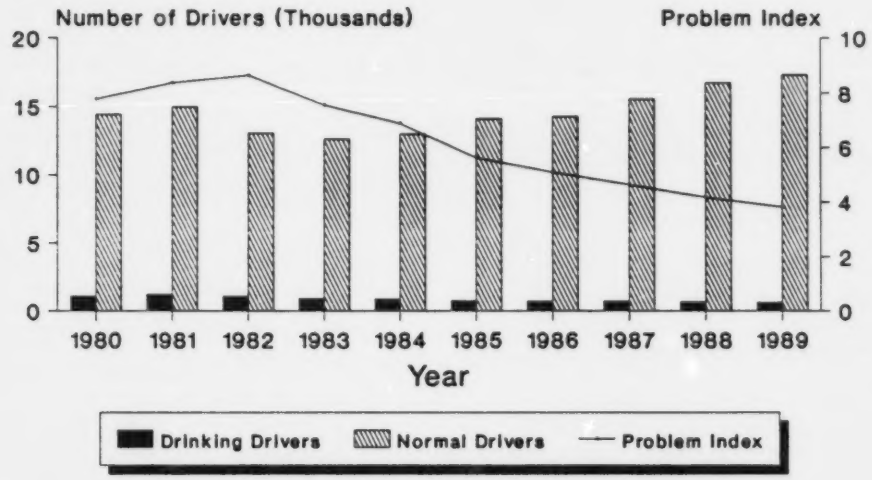
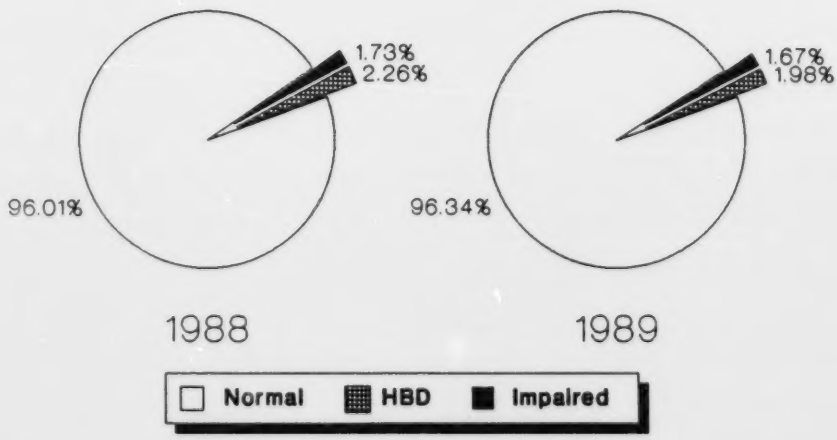
HAMILTON-WENTWORTH REGIONAL MUNICIPALITY
Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



HASTINGS

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	164	53	217	1563	157	61	218	705	5	7	12	17	326	121	447	2285
1981	145	81	226	1526	121	49	170	692	5	7	12	16	271	137	408	2234
1982	165	84	249	1471	132	62	194	599	6	5	11	25	303	151	454	2095
1983	106	62	168	1354	104	67	171	673	4	6	10	12	214	135	349	2039
1984	114	70	184	1432	100	53	153	716	5	9	14	17	219	132	351	2165
1985	77	43	120	1413	104	53	157	797	8	6	14	9	189	102	291	2219
1986	58	43	101	1395	74	41	115	702	4	5	9	12	136	89	225	2109
1987	79	32	111	1337	74	47	121	745	1	9	10	19	154	88	242	2101
1988	83	44	127	1679	56	42	98	737	4	1	5	12	143	87	230	2428
1989	83	55	138	1941	57	40	97	739	3	5	8	14	143	100	243	2694
Female																
1980	21	9	30	540	19	5	24	301	0	0	0	7	40	14	54	848
1981	12	5	17	567	19	3	22	293	1	0	1	5	32	8	40	865
1982	13	4	17	563	17	4	21	259	0	0	0	4	30	8	38	826
1983	25	5	30	565	13	3	16	281	2	0	2	4	40	8	48	850
1984	15	5	20	654	11	3	14	296	2	1	3	7	28	9	37	957
1985	11	6	17	669	19	9	28	365	1	0	1	8	31	15	46	1042
1986	12	1	13	643	10	4	14	372	0	1	1	3	22	6	28	1018
1987	5	4	9	644	12	2	14	446	1	0	1	3	18	6	24	1093
1988	13	5	18	810	11	2	13	403	0	0	0	2	24	7	31	1215
1989	10	8	18	984	7	7	14	385	1	1	2	9	18	16	34	1378
Total																
1980	185	62	247	2103	176	66	242	1006	5	7	12	24	366	135	501	3133
1981	157	86	243	2093	140	52	192	985	6	7	13	21	303	145	448	3099
1982	178	88	266	2034	149	66	215	858	6	5	11	29	333	159	492	2921
1983	131	67	198	1919	117	70	187	954	6	6	12	16	254	143	397	2889
1984	129	75	204	2086	111	56	167	1012	7	10	17	24	247	141	388	3122
1985	88	49	137	2082	123	62	185	1162	9	6	15	17	220	117	337	3261
1986	70	44	114	2038	84	45	129	1074	4	6	10	15	158	95	253	3127
1987	84	36	120	1981	86	49	135	1191	2	9	11	22	172	94	266	3194
1988	96	49	145	2489	67	44	111	1140	4	1	5	14	167	94	261	3643
1989	93	63	156	2925	64	47	111	1124	4	6	10	23	161	116	277	4072

KEY: HBD -- Drivers reported by police to have been drinking
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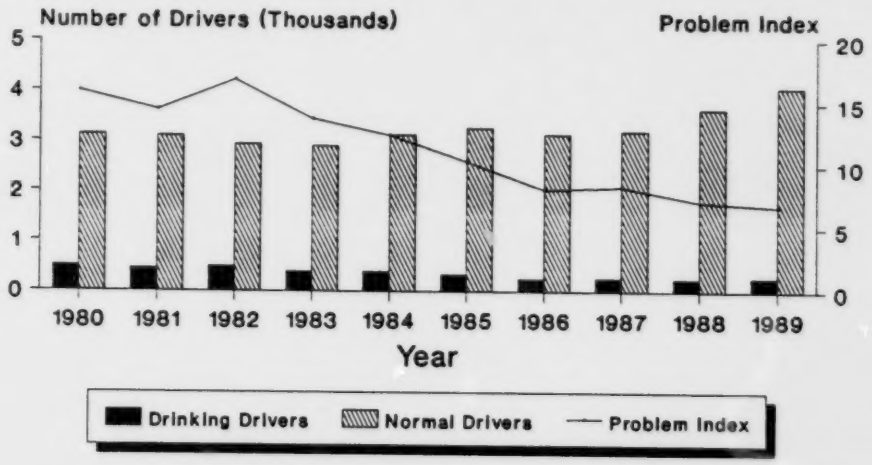
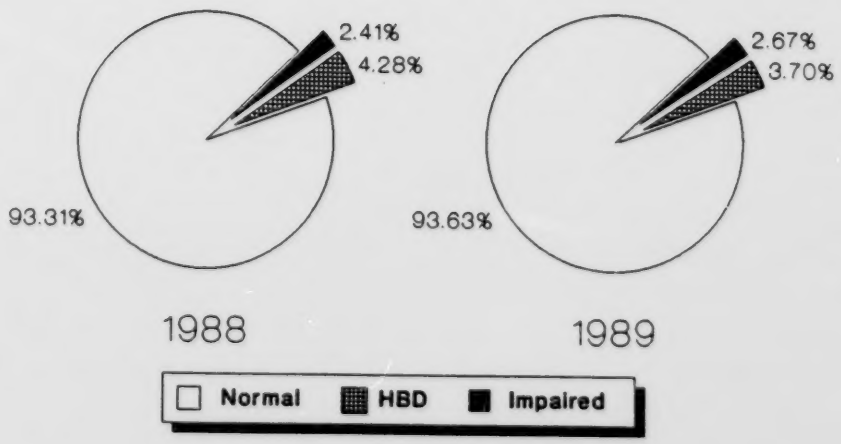
HASTINGS

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



HURON

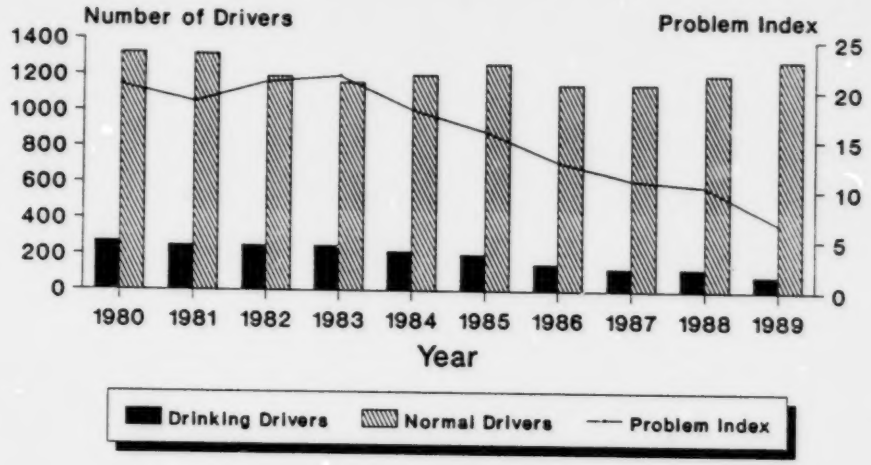
Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	111	10	121	693	105	10	115	264	5	1	6	6	221	21	242	963
1981	97	17	114	650	102	7	109	315	3	2	5	9	202	26	228	974
1982	111	17	128	597	84	9	93	252	4	2	6	15	199	28	227	864
1983	92	14	106	571	101	14	115	245	2	6	8	5	195	34	229	821
1984	77	9	86	584	87	13	100	235	4	5	9	8	168	27	195	827
1985	75	15	90	572	70	12	82	288	1	4	5	7	146	31	177	867
1986	46	16	62	491	49	17	66	238	1	5	6	6	96	38	134	735
1987	47	14	61	452	42	13	55	291	0	1	1	8	89	28	117	751
1988	45	9	54	528	42	14	56	222	2	4	6	4	89	27	116	754
1989	34	7	41	583	22	7	29	251	1	1	2	8	57	15	72	842
Female																
1980	16	1	17	235	10	0	10	120	1	0	1	3	27	1	28	358
1981	9	1	10	230	9	0	9	111	0	0	0	0	18	1	19	341
1982	11	1	12	229	6	0	6	94	1	1	2	3	18	2	20	326
1983	7	0	7	223	9	2	11	112	0	0	0	3	16	2	18	338
1984	7	2	9	254	9	1	10	114	0	2	2	6	16	5	21	374
1985	10	1	11	256	11	0	11	140	0	1	1	2	21	2	23	398
1986	4	1	5	253	5	3	8	157	0	0	0	5	9	4	13	415
1987	3	4	7	235	2	0	2	164	0	1	1	4	5	5	10	403
1988	3	1	4	298	5	0	5	154	0	0	0	2	8	1	9	454
1989	5	2	7	291	7	0	7	154	0	0	0	3	12	2	14	448
Total																
1980	127	11	138	928	115	10	125	384	6	1	7	9	248	22	270	1321
1981	106	18	124	880	111	7	118	426	3	2	5	9	220	27	247	1315
1982	122	18	140	826	90	9	99	346	5	3	8	18	217	30	247	1190
1983	99	14	113	794	110	16	126	357	2	6	8	8	211	36	247	1159
1984	84	11	95	838	96	14	110	349	4	7	11	14	184	32	216	1201
1985	85	16	101	828	81	12	93	428	1	5	6	9	167	33	200	1265
1986	50	17	67	744	54	20	74	395	1	5	6	11	105	42	147	1150
1987	50	18	68	687	44	13	57	455	0	2	2	12	94	33	127	1154
1988	48	10	58	826	47	14	61	376	2	4	6	6	97	28	125	1208
1989	39	9	48	874	29	7	36	405	1	1	2	11	69	17	86	1290

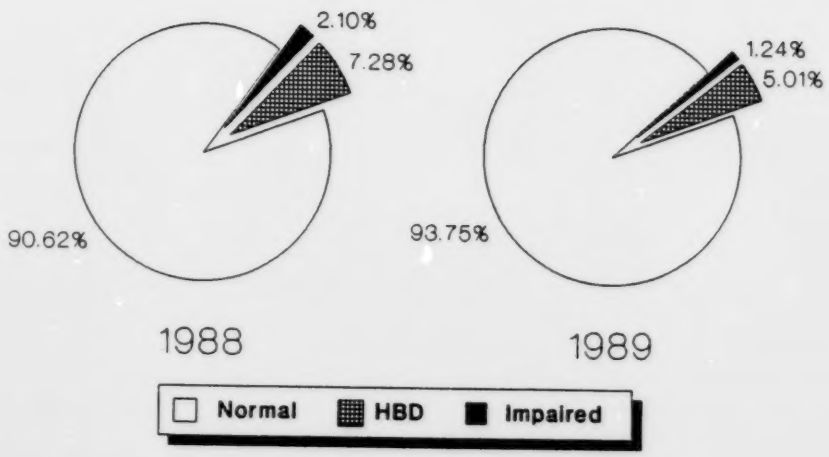
KEY: HBD -- Drivers reported by police to have been drinking
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

HURON

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



KENORA

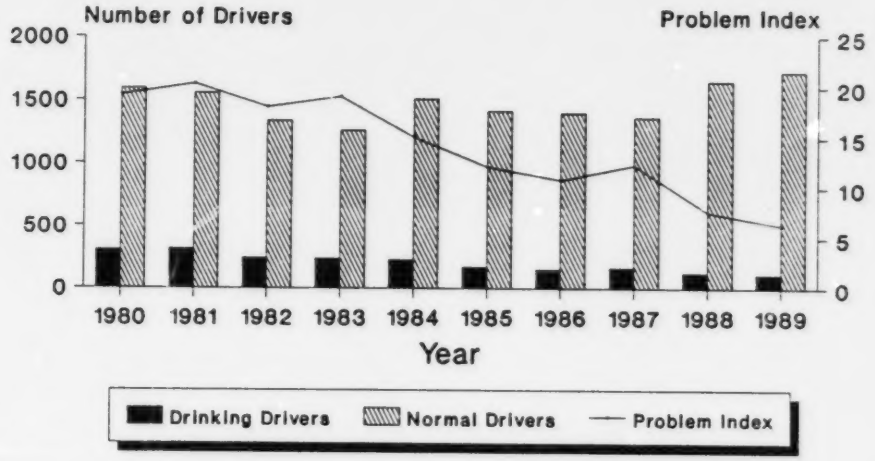
Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	101	47	148	840	78	43	121	378	4	6	10	21	183	96	279	1239
1981	131	42	173	855	65	42	107	337	3	4	7	20	199	88	287	1212
1982	90	40	130	779	56	29	85	250	0	2	2	9	146	71	217	1038
1983	76	42	118	711	53	35	88	234	0	3	3	11	129	80	209	956
1984	74	37	111	846	65	32	97	288	0	2	2	12	139	71	210	1146
1985	48	22	70	746	35	32	67	334	3	5	8	9	86	59	145	1089
1986	42	31	73	725	36	22	58	307	2	2	4	13	80	55	135	1045
1987	41	26	67	652	49	18	67	336	3	4	7	14	93	48	141	1002
1988	38	20	58	898	24	12	36	284	2	3	5	9	64	35	99	1191
1989	33	17	50	1001	21	19	40	258	3	1	4	14	57	37	94	1273
Female																
1980	12	6	18	230	8	2	10	123	0	1	1	3	20	9	29	356
1981	14	3	17	229	11	2	13	113	0	0	0	2	25	5	30	344
1982	8	7	15	194	7	4	11	108	0	0	0	1	15	11	26	303
1983	11	7	18	203	6	7	13	99	0	1	1	2	17	15	32	304
1984	7	4	11	246	3	2	5	117	1	1	2	0	11	7	18	363
1985	9	5	14	233	10	2	12	94	0	1	1	2	19	8	27	329
1986	5	2	7	230	6	3	9	128	0	1	1	0	11	6	17	358
1987	7	8	15	217	8	4	12	147	0	0	0	1	15	12	27	365
1988	11	7	18	336	2	6	8	126	1	0	1	0	14	13	27	462
1989	4	4	8	351	5	3	8	101	0	0	0	4	9	7	16	456
Total																
1980	113	53	166	1070	86	45	131	501	4	7	11	24	203	105	308	1595
1981	145	45	190	1084	76	44	120	450	3	4	7	22	224	93	317	1556
1982	98	47	145	973	63	33	96	358	0	2	2	10	161	82	243	1341
1983	87	49	136	914	59	42	101	333	0	4	4	13	146	95	241	1260
1984	81	41	122	1092	68	34	102	405	1	3	4	12	150	78	228	1509
1985	57	27	84	979	45	34	79	428	3	6	9	11	105	67	172	1418
1986	47	33	80	955	42	25	67	435	2	3	5	13	91	61	152	1403
1987	48	34	82	869	57	22	79	483	3	4	7	15	108	60	168	1367
1988	49	27	76	1234	26	18	44	410	3	3	6	9	78	48	126	1653
1989	37	21	58	1352	26	22	48	359	3	1	4	18	66	44	110	1729

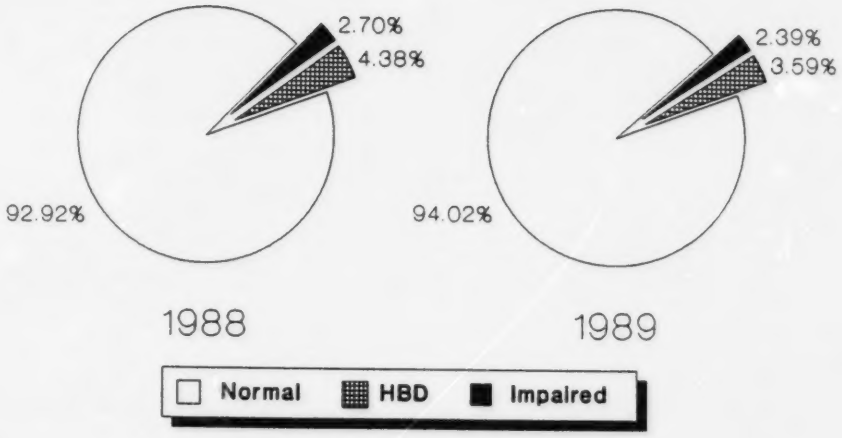
KEY: HBD -- Drivers reported by police to have been drinking
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

KENORA

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



KENT

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	148	53	201	1304	159	40	199	733	5	1	6	11	312	94	406	2048
1981	158	55	213	1234	134	28	162	659	0	11	11	11	292	94	386	1904
1982	117	46	163	1228	154	44	198	593	2	4	6	7	273	94	367	1828
1983	81	54	135	1160	126	36	162	682	2	8	10	6	209	98	307	1848
1984	88	41	129	1297	128	35	163	721	4	8	12	9	220	84	304	2027
1985	67	37	104	1318	98	48	146	835	3	4	7	17	168	89	257	2170
1986	55	31	86	1217	75	33	108	755	2	5	7	8	132	69	201	1980
1987	73	27	100	1155	88	39	127	802	4	3	7	10	165	69	234	1967
1988	62	32	94	1224	62	32	94	658	4	4	8	11	128	68	196	1893
1989	56	34	90	1369	49	38	87	654	1	0	1	6	106	72	178	2029
Female																
1980	13	2	15	562	17	3	20	331	3	0	3	7	33	5	38	900
1981	16	4	20	543	19	1	20	326	1	3	4	4	36	8	44	873
1982	7	5	12	519	24	4	28	280	0	3	3	2	31	12	43	801
1983	8	3	11	524	13	3	16	284	1	0	1	5	22	6	28	813
1984	15	4	19	583	12	5	17	333	0	0	0	2	27	9	36	918
1985	16	6	22	526	17	3	20	426	0	0	0	4	33	9	42	956
1986	7	4	11	565	7	1	8	391	0	0	0	4	14	5	19	960
1987	9	6	15	600	13	5	18	423	1	0	1	5	23	11	34	1028
1988	9	4	13	631	10	3	13	367	1	0	1	3	20	7	27	1001
1989	8	7	15	795	10	1	11	389	0	1	1	4	18	9	27	1188
Total																
1980	161	55	216	1866	176	43	219	1064	8	1	9	18	345	99	444	2948
1981	174	59	233	1777	153	29	182	985	1	14	15	15	328	102	430	2777
1982	124	51	175	1747	178	48	226	873	2	7	9	9	304	106	410	2629
1983	89	57	146	1684	139	39	178	966	3	8	11	11	231	104	335	2661
1984	103	45	148	1880	140	40	180	1054	4	8	12	11	247	93	340	2945
1985	83	43	126	1844	115	51	166	1261	3	4	7	21	201	98	299	3126
1986	62	35	97	1782	82	34	116	1146	2	5	7	12	146	74	220	2940
1987	82	33	115	1755	101	44	145	1225	5	3	8	15	188	80	268	2995
1988	71	36	107	1855	72	35	107	1025	5	4	9	14	148	75	223	2894
1989	64	41	105	2164	59	39	98	1043	1	1	2	10	124	81	205	3217

KEY: HBD -- Drivers reported by police to have been drinking
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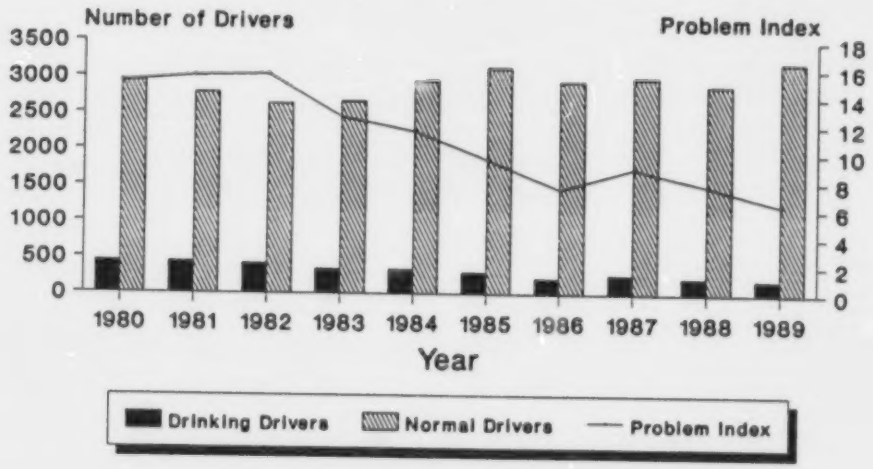
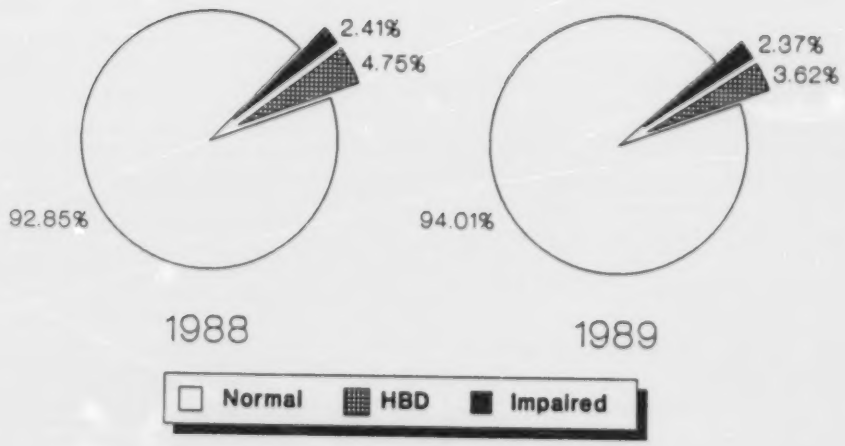
KENT

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



LAMBTON

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	179	74	253	1717	196	55	251	810	6	12	18	11	381	141	522	2538
1981	181	66	247	1828	209	46	255	800	4	8	12	16	394	120	514	2644
1982	205	70	275	1699	189	58	247	784	4	3	7	15	398	131	529	2498
1983	204	58	262	1575	193	38	231	780	5	7	12	16	402	103	505	2371
1984	164	49	213	1598	184	48	232	713	1	5	6	7	349	102	451	2318
1985	101	45	146	1461	146	45	191	805	2	0	2	12	249	90	339	2278
1986	91	25	116	1319	116	44	160	769	2	3	5	12	209	72	281	2100
1987	95	43	138	1284	106	27	133	702	2	5	7	7	203	75	278	1993
1988	84	36	120	1502	76	23	99	638	0	3	3	14	160	62	222	2154
1989	89	28	117	1527	61	24	85	630	1	5	6	8	151	57	208	2165
Female																
1980	14	6	20	688	29	3	32	377	0	0	0	1	43	9	52	1066
1981	27	7	34	814	24	5	29	369	0	2	2	5	51	14	65	1188
1982	28	3	31	771	32	4	36	425	1	1	2	5	61	8	69	1201
1983	26	10	36	769	32	6	38	367	0	0	0	3	58	16	74	1139
1984	32	7	39	782	25	4	29	381	0	1	1	2	57	12	69	1165
1985	22	4	26	755	24	2	26	391	0	0	0	0	46	6	52	1146
1986	14	6	20	688	18	6	24	446	0	1	1	8	32	13	45	1142
1987	17	6	23	663	19	6	25	453	0	0	0	8	36	12	48	1124
1988	13	7	20	919	12	4	16	415	0	0	0	3	25	11	36	1337
1989	16	3	19	934	16	5	21	353	0	1	1	1	32	9	41	1288
Total																
1980	193	80	273	2405	225	58	283	1187	6	12	18	12	424	150	574	3604
1981	208	73	281	2642	233	51	284	1169	4	10	14	21	445	134	579	3832
1982	233	73	306	2470	221	62	283	1209	5	4	9	20	459	139	598	3699
1983	230	68	298	2344	225	44	269	1147	5	7	12	19	460	119	579	3510
1984	196	56	252	2380	209	52	261	1094	1	6	7	9	406	114	520	3483
1985	123	49	172	2216	170	47	217	1196	2	0	2	12	295	96	391	3424
1986	105	31	136	2007	134	50	184	1215	2	4	6	20	241	85	326	3242
1987	112	49	161	1947	125	33	158	1155	2	5	7	15	239	87	326	3117
1988	97	43	140	2421	88	27	115	1053	0	3	3	17	185	73	258	3491
1989	105	31	136	2461	77	29	106	983	1	6	7	9	183	66	249	3453

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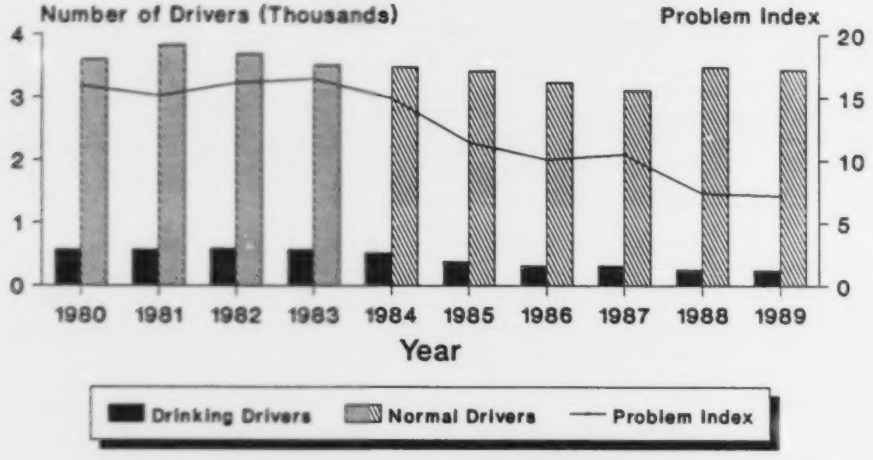
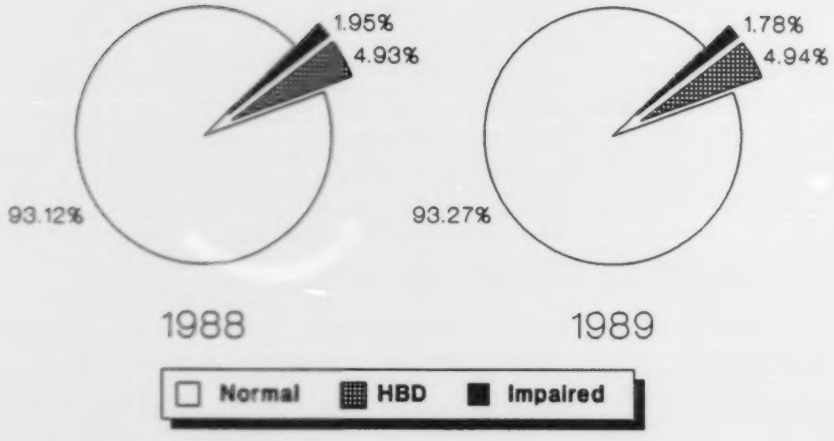
LAMBTON

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



LANARK

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	55	36	91	631	65	26	91	266	3	3	6	8	123	65	188	905
1981	54	33	87	549	68	29	97	256	3	1	4	10	125	63	188	815
1982	78	24	102	565	76	23	99	242	1	1	2	3	155	48	203	810
1983	50	26	76	670	58	17	75	296	0	5	5	8	108	48	156	974
1984	48	17	65	613	51	26	77	282	3	2	5	7	102	45	147	902
1985	48	21	69	658	42	21	63	318	1	0	1	8	91	42	133	984
1986	42	14	56	626	41	11	52	315	3	2	5	7	86	27	113	948
1987	38	19	57	621	43	27	70	305	0	1	1	8	81	47	128	934
1988	27	14	41	654	43	12	55	287	2	2	4	9	72	28	100	950
1989	28	11	39	710	34	11	45	340	5	3	8	12	67	25	92	1062
Female																
1980	7	3	10	247	10	1	11	114	0	1	1	2	17	5	22	363
1981	4	3	7	236	9	2	11	118	0	0	0	0	13	5	18	354
1982	3	3	6	210	10	2	12	104	0	0	0	2	13	5	18	316
1983	4	0	4	276	6	1	7	113	0	0	0	2	10	1	11	391
1984	4	2	6	293	11	1	12	109	0	1	1	3	15	4	19	405
1985	5	3	8	279	3	1	4	129	0	0	0	1	8	4	12	409
1986	6	3	9	254	8	5	13	148	0	0	0	1	14	8	22	403
1987	4	1	5	276	4	0	4	146	0	0	0	2	8	1	9	424
1988	3	1	4	326	3	2	5	154	0	0	0	3	6	3	9	483
1989	3	1	4	345	8	0	8	162	0	0	0	3	11	1	12	510
Total																
1980	62	39	101	878	75	27	102	380	3	4	7	10	140	70	210	1268
1981	58	36	94	785	77	31	108	374	3	1	4	10	138	68	206	1169
1982	81	27	108	775	86	25	111	346	1	1	2	5	168	53	221	1126
1983	54	26	80	946	64	18	82	409	0	5	5	10	118	49	167	1365
1984	52	19	71	906	62	27	89	391	3	3	6	10	117	49	166	1307
1985	53	24	77	937	45	22	67	447	1	0	1	9	99	46	145	1393
1986	48	17	65	880	49	16	65	463	3	2	5	8	100	35	135	1351
1987	42	20	62	897	47	27	74	451	0	1	1	10	89	48	137	1358
1988	30	15	45	980	46	14	60	441	2	2	4	12	78	31	109	1433
1989	31	12	43	1055	42	11	53	502	5	3	8	15	78	26	104	1572

KEY: HBD -- Drivers reported by police to have been drinking
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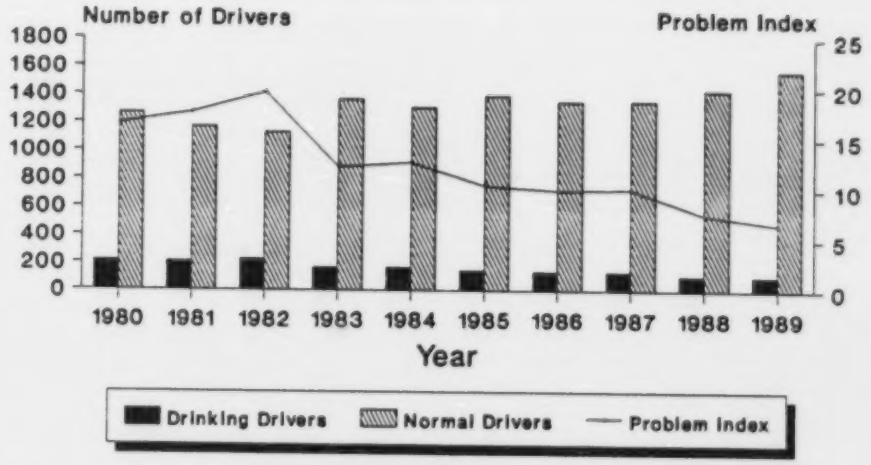
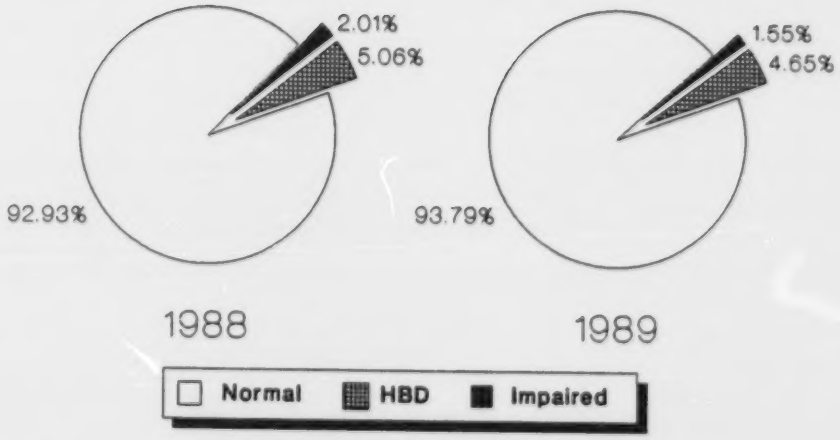
LANARK

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



LEEDS

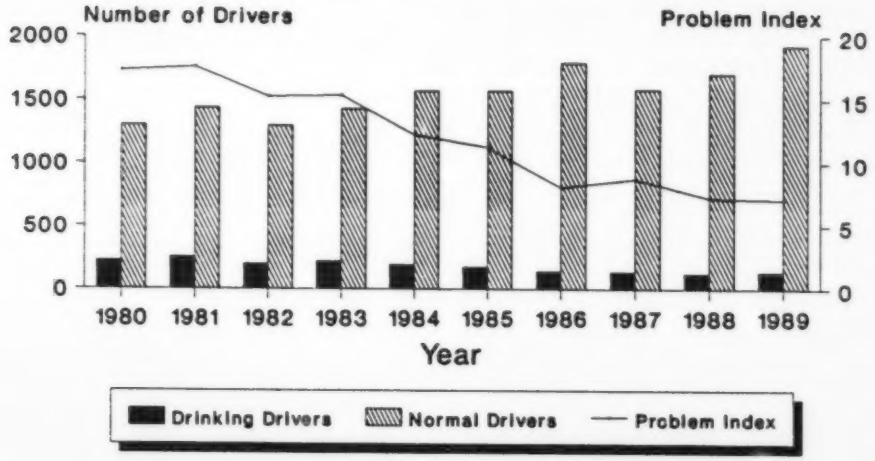
Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	75	32	107	608	68	22	90	315	2	3	5	6	145	57	202	929
1981	69	44	113	693	78	38	116	336	2	3	5	10	149	85	234	1029
1982	66	27	93	618	50	23	73	293	2	3	5	3	118	53	171	914
1983	50	44	94	632	61	36	97	339	1	6	7	6	112	86	198	977
1984	60	29	89	695	45	27	72	364	0	5	5	6	105	61	166	1065
1985	49	23	72	715	48	29	77	377	1	5	6	13	98	57	155	1105
1986	38	23	61	833	39	17	56	380	3	4	7	15	80	44	124	1228
1987	34	20	54	684	43	24	67	378	0	3	3	11	77	47	124	1073
1988	34	24	58	750	32	18	50	380	0	2	2	14	66	44	110	1144
1989	37	21	58	907	37	27	64	349	2	2	4	5	76	50	126	1261
Female																
1980	9	4	13	234	7	3	10	136	0	0	0	3	16	7	23	373
1981	6	4	10	282	8	1	9	127	0	0	0	3	14	5	19	412
1982	10	5	15	250	6	6	12	133	0	0	0	0	16	11	27	383
1983	2	5	7	283	13	1	14	168	0	0	0	0	15	6	21	451
1984	9	3	12	334	7	6	13	170	1	0	1	1	17	9	26	505
1985	5	2	7	286	12	3	15	177	0	0	0	3	17	5	22	466
1986	6	2	8	368	7	4	11	198	1	1	2	1	14	7	21	567
1987	4	5	9	335	3	3	6	175	0	0	0	3	7	8	15	513
1988	3	3	6	363	4	4	8	195	0	0	0	5	7	7	14	563
1989	3	0	3	457	4	4	8	209	0	0	0	4	7	4	11	670
Total																
1980	84	36	120	842	75	25	100	451	2	3	5	9	161	64	225	1302
1981	75	48	123	965	86	39	125	463	2	3	5	13	163	90	253	1441
1982	76	32	108	868	56	29	85	426	2	3	5	3	134	64	198	1297
1983	52	49	101	915	74	37	111	507	1	6	7	6	127	92	219	1428
1984	69	32	101	1029	52	33	85	534	1	5	6	7	122	70	192	1570
1985	54	25	79	1001	60	32	92	554	1	5	6	16	115	62	177	1571
1986	44	25	69	1201	46	21	67	578	4	5	9	16	94	51	145	1795
1987	38	25	63	1019	46	27	73	553	0	3	3	14	84	55	139	1586
1988	37	27	64	1113	36	22	58	575	0	2	2	19	73	51	124	1707
1989	40	21	61	1364	41	31	72	558	2	2	4	9	83	54	137	1931

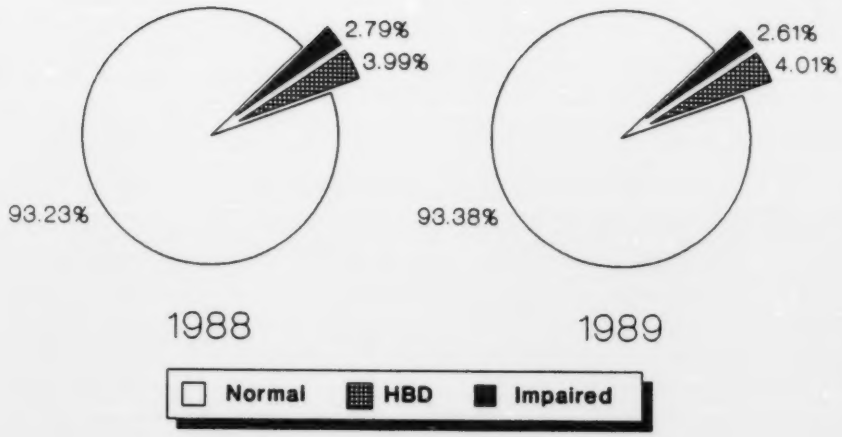
KEY: HBD -- Drivers reported by police to have been drinking
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

LEEDS

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



LENNOX and ADDINGTON

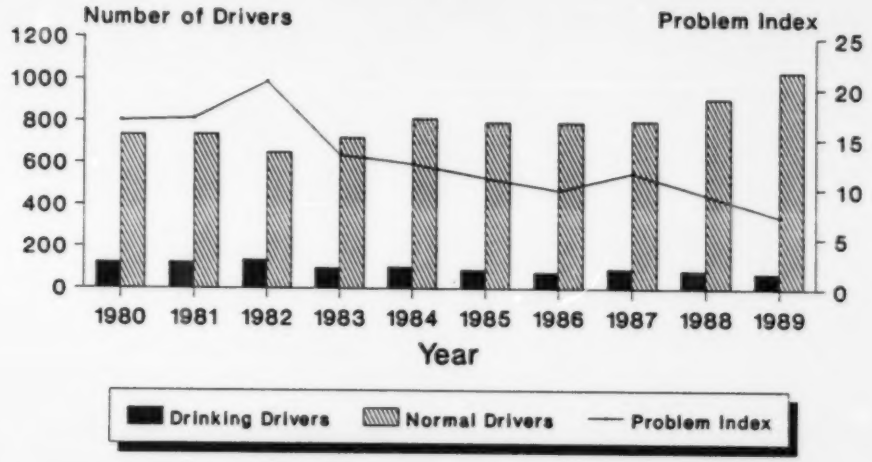
Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	32	12	44	348	47	14	61	191	1	5	6	7	80	31	111	546
1981	39	19	58	339	42	15	57	199	1	2	3	5	82	36	118	543
1982	31	16	47	293	46	19	65	168	1	1	2	5	78	36	114	466
1983	30	9	39	345	28	15	43	148	1	2	3	8	59	26	85	501
1984	33	14	47	365	33	8	41	193	3	3	6	5	69	25	94	563
1985	28	9	37	344	30	6	36	193	1	1	2	6	59	16	75	543
1986	22	12	34	336	26	10	36	207	0	0	0	8	48	22	70	551
1987	24	11	35	358	26	13	39	190	0	3	3	10	50	27	77	558
1988	25	13	38	415	27	12	39	196	1	2	3	1	53	27	80	612
1989	20	12	32	475	25	8	33	227	1	1	2	5	46	21	67	707
Female																
1980	2	2	4	121	7	1	8	67	0	0	0	0	9	3	12	188
1981	1	1	2	123	3	1	4	70	0	1	1	1	4	3	7	194
1982	9	3	12	117	8	0	8	67	0	0	0	0	17	3	20	184
1983	3	3	6	139	5	0	5	79	0	0	0	1	8	3	11	219
1984	2	1	3	168	4	0	4	80	0	0	0	2	6	1	7	250
1985	4	0	4	155	7	2	9	98	0	0	0	0	11	2	13	253
1986	0	0	0	142	8	0	8	99	0	0	0	4	8	0	8	245
1987	2	4	6	154	8	2	10	89	0	0	0	2	10	6	16	245
1988	0	2	2	196	3	1	4	102	0	0	0	2	3	3	6	300
1989	2	1	3	220	2	3	5	111	0	0	0	2	4	4	8	333
Total																
1980	34	14	48	469	54	15	69	258	1	5	6	7	89	34	123	734
1981	40	20	60	462	45	16	61	269	1	3	4	6	86	39	125	737
1982	40	19	59	410	54	19	73	235	1	1	2	5	95	39	134	650
1983	33	12	45	484	33	15	48	227	1	2	3	9	67	29	96	720
1984	35	15	50	533	37	8	45	273	3	3	6	7	75	26	101	813
1985	32	9	41	499	37	8	45	291	1	1	2	6	70	18	88	796
1986	22	12	34	478	34	10	44	306	0	0	0	12	56	22	78	796
1987	26	15	41	512	34	15	49	279	0	3	3	12	60	33	93	803
1988	25	15	40	611	30	13	43	298	1	2	3	3	56	30	86	912
1989	22	13	35	695	27	11	38	338	1	1	2	7	50	25	75	1040

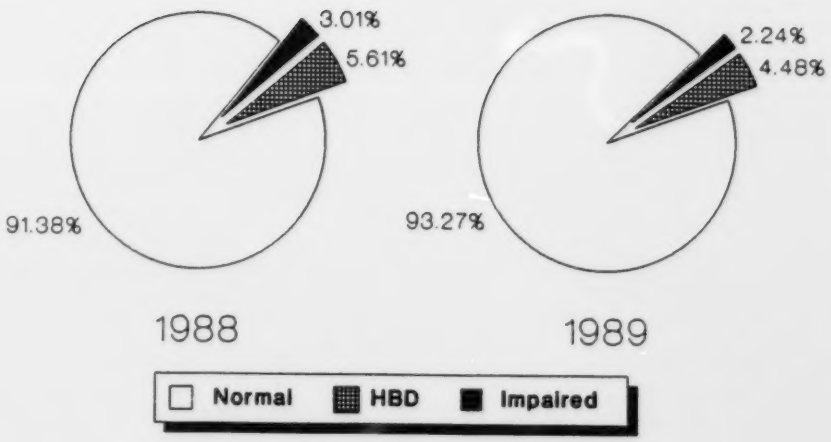
KEY: HBD -- Drivers reported by police to have been drinking
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

LENNOX AND ADDINGTON

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



MANITOULIN

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	23	11	34	107	26	5	31	56	1	2	3	2	50	18	68	165
1981	27	14	41	124	14	9	23	64	1	3	4	4	42	26	68	192
1982	12	7	19	128	23	9	32	51	0	0	0	5	35	16	51	184
1983	20	10	30	126	15	11	26	46	2	1	3	4	37	22	59	176
1984	24	9	33	115	14	5	19	36	0	1	1	3	38	15	53	154
1985	20	9	29	105	19	13	32	63	0	1	1	0	39	23	62	168
1986	11	5	16	95	7	10	17	31	1	1	2	0	19	16	35	126
1987	10	6	16	111	11	5	16	47	0	3	3	1	21	14	35	159
1988	9	4	13	98	14	5	19	33	1	2	3	3	24	11	35	134
1989	4	10	14	113	7	10	17	53	2	3	5	2	13	23	36	168
Female																
1980	4	3	7	40	5	1	6	24	0	0	0	1	9	4	13	65
1981	1	0	1	46	7	0	7	33	0	1	1	1	8	1	9	80
1982	4	1	5	40	3	3	6	13	0	0	0	0	7	4	11	53
1983	3	4	7	29	4	0	4	18	0	0	0	0	7	4	11	47
1984	6	1	7	45	1	1	2	24	1	0	1	0	8	2	10	69
1985	5	4	9	24	2	2	4	30	0	0	0	0	7	6	13	54
1986	2	0	2	45	1	3	4	31	0	0	0	0	3	3	6	76
1987	4	1	5	58	6	1	7	24	1	0	1	0	11	2	13	82
1988	1	0	1	51	4	3	7	23	1	0	1	0	6	3	9	74
1989	6	0	6	56	1	1	2	45	0	0	0	1	7	1	8	102
Total																
1980	27	14	41	147	31	6	37	80	1	2	3	3	59	22	81	230
1981	28	14	42	170	21	9	30	97	1	4	5	5	50	27	77	272
1982	16	8	24	168	26	12	38	64	0	0	0	5	42	20	62	237
1983	23	14	37	155	19	11	30	64	2	1	3	4	44	26	70	223
1984	30	10	40	160	15	6	21	60	1	1	2	3	46	17	63	223
1985	25	13	38	129	21	15	36	93	0	1	1	0	46	29	75	222
1986	13	5	18	140	8	13	21	62	1	1	2	0	22	19	41	202
1987	14	7	21	169	17	6	23	71	1	3	4	1	32	16	48	241
1988	10	4	14	149	18	8	26	56	2	2	4	3	30	14	44	208
1989	10	10	20	169	8	11	19	98	2	3	5	3	20	24	44	270

KEY: HBD -- Drivers reported by police to have been drinking
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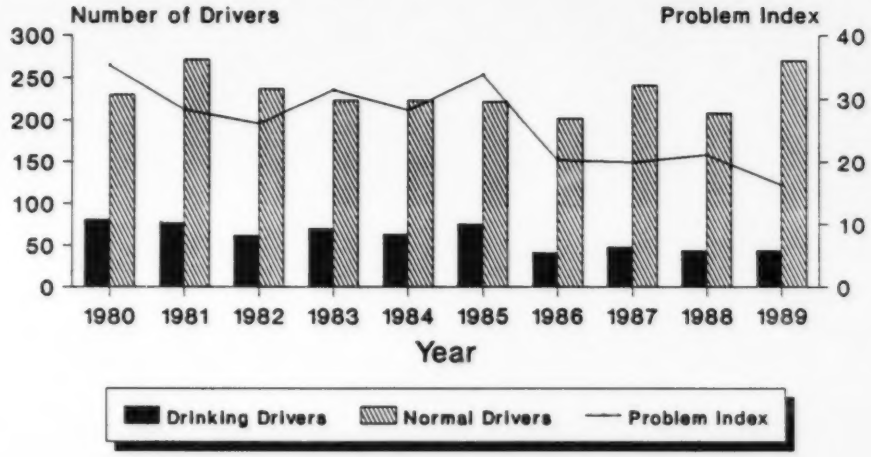
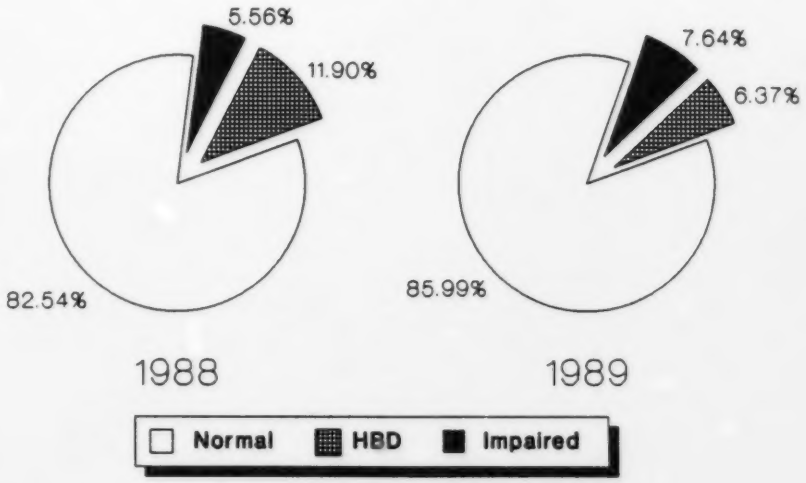
MANITOULIN

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



MIDDLESEX

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	468	140	608	5081	419	123	542	2795	11	10	21	27	898	273	1171	7903
1981	436	131	567	4945	422	112	534	2699	17	8	25	22	875	251	1126	7666
1982	367	112	479	4696	371	92	463	2515	10	12	22	25	748	216	964	7236
1983	316	101	417	4517	275	93	368	2575	6	13	19	32	597	207	804	7124
1984	303	100	403	4814	297	92	389	2789	9	10	19	30	609	202	811	7633
1985	237	87	324	4496	263	95	358	3304	4	9	13	33	504	191	695	7833
1986	198	72	270	4374	177	110	287	3194	5	13	18	28	380	195	575	7596
1987	153	77	230	4543	190	102	292	3429	5	6	11	30	348	185	533	8002
1988	174	100	274	5507	183	119	302	3352	2	11	13	35	359	230	589	8894
1989	207	114	321	5921	165	110	275	3539	4	4	8	33	376	228	604	9493
Female																
1980	48	12	60	2059	67	12	79	1274	0	1	1	5	115	25	140	3338
1981	52	25	77	2044	51	8	59	1222	1	1	2	4	104	34	138	3270
1982	54	20	74	1956	49	10	59	1165	0	0	0	6	103	30	133	3127
1983	55	15	70	2003	55	15	70	1253	0	2	2	9	110	32	142	3265
1984	50	18	68	2163	51	10	61	1317	3	1	4	8	104	29	133	3488
1985	40	20	60	2099	39	9	48	1631	0	1	1	7	79	30	109	3737
1986	23	7	30	2183	28	9	37	1795	0	0	0	14	51	16	67	3992
1987	30	6	36	2317	29	20	49	1927	2	2	4	8	61	28	89	4252
1988	28	14	42	2731	31	12	43	1925	2	0	2	12	61	26	87	4668
1989	35	18	53	2992	22	18	40	2079	1	1	2	4	58	37	95	5075
Total																
1980	516	152	668	7140	486	135	621	4069	11	11	22	32	1013	298	1311	11241
1981	488	156	644	6989	473	120	593	3921	18	9	27	26	979	285	1264	10936
1982	421	132	553	6652	420	102	522	3680	10	12	22	31	851	246	1097	10363
1983	371	116	487	6520	330	108	438	3828	6	15	21	41	707	239	946	10389
1984	353	118	471	6977	348	102	450	4106	12	11	23	38	713	231	944	11121
1985	277	107	384	6595	302	104	406	4935	4	10	14	40	583	221	804	11570
1986	221	79	300	6557	205	119	324	4989	5	13	18	42	431	211	642	11588
1987	183	83	266	6860	219	122	341	5356	7	8	15	38	409	213	622	12254
1988	202	114	316	8238	214	131	345	5277	4	11	15	47	420	256	676	13562
1989	242	132	374	8913	187	128	315	5618	5	5	10	37	434	265	699	14568

KEY: HBD -- Drivers reported by police to have been drinking
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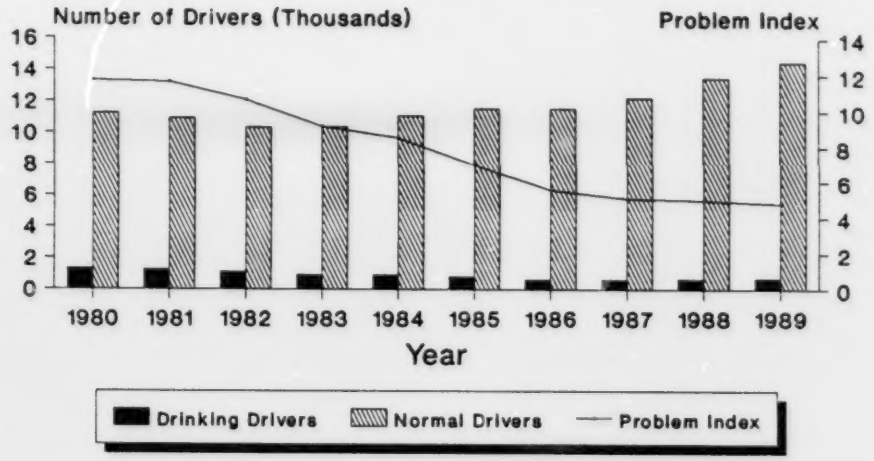
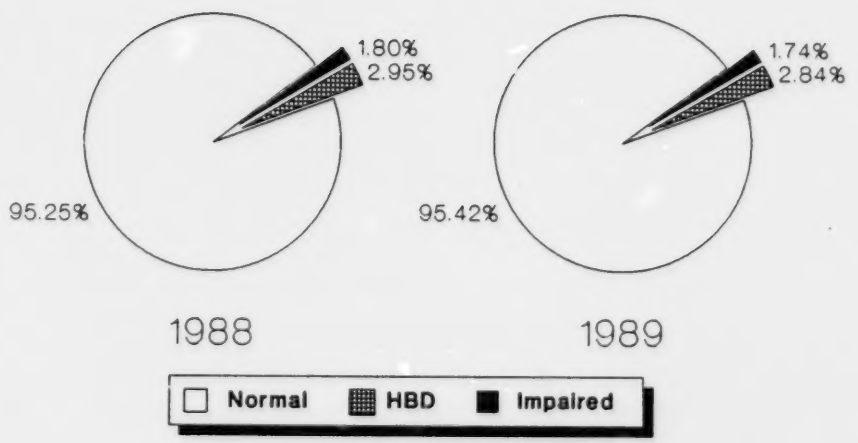
MIDDLESEX

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



MUSKOKA

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	78	34	112	653	91	31	122	349	4	3	7	20	173	68	241	1022
1981	95	30	125	624	84	21	105	297	0	6	6	12	179	57	236	933
1982	73	22	95	644	74	21	95	305	1	2	3	7	148	45	193	956
1983	50	32	82	615	72	27	99	314	2	8	10	8	124	67	191	937
1984	59	25	84	710	53	22	75	332	8	6	14	10	120	53	173	1052
1985	49	14	63	670	52	22	74	359	5	1	6	14	106	37	143	1043
1986	41	24	65	636	53	21	74	366	3	5	8	11	97	50	147	1013
1987	56	16	72	708	55	25	80	373	2	3	5	19	113	44	157	1100
1988	35	24	59	820	40	22	62	344	0	2	2	15	75	48	123	1179
1989	48	21	69	981	27	27	54	355	1	0	1	6	76	48	124	1342
Female																
1980	7	0	7	215	10	0	10	121	0	1	1	7	17	1	18	343
1981	8	4	12	178	9	2	11	88	0	0	0	3	17	6	23	269
1982	8	3	11	222	10	4	14	117	0	0	0	0	18	7	25	339
1983	7	0	7	212	5	3	8	145	0	0	0	1	12	3	15	358
1984	4	1	5	267	8	6	14	128	2	0	2	3	14	7	21	398
1985	8	3	11	289	8	1	9	127	0	1	1	7	16	5	21	423
1986	3	2	5	249	1	1	2	167	0	1	1	5	4	4	8	421
1987	3	0	3	281	9	5	14	182	0	1	1	3	12	6	18	466
1988	7	5	12	374	5	0	5	176	0	0	0	4	12	5	17	554
1989	6	3	9	428	8	2	10	198	0	0	0	2	14	5	19	628
Total																
1980	85	34	119	868	101	31	132	470	4	4	8	27	190	69	259	1365
1981	103	34	137	802	93	23	116	385	0	6	6	15	196	63	259	1202
1982	81	25	106	866	84	25	109	422	1	2	3	7	166	52	218	1295
1983	57	32	89	827	77	30	107	459	2	8	10	9	136	70	206	1295
1984	63	26	89	977	61	28	89	460	10	6	16	13	134	60	194	1450
1985	57	17	74	959	60	23	83	486	5	2	7	21	122	42	164	1466
1986	44	26	70	885	54	22	76	533	3	6	9	16	101	54	155	1434
1987	59	16	75	989	64	30	94	555	2	4	6	22	125	50	175	1566
1988	42	29	71	1194	45	22	67	520	0	2	2	19	87	53	140	1733
1989	54	24	78	1409	35	29	64	553	1	0	1	8	90	53	143	1970

KEY: HBD -- Drivers reported by police to have been drinking
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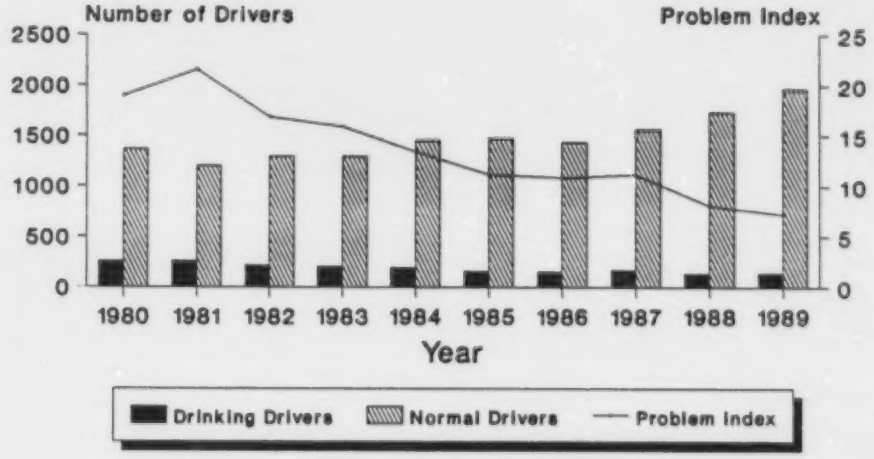
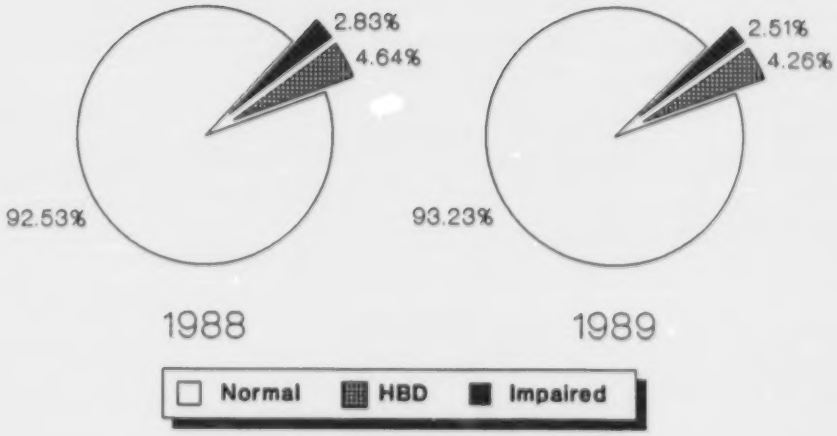
MUSKOKA

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



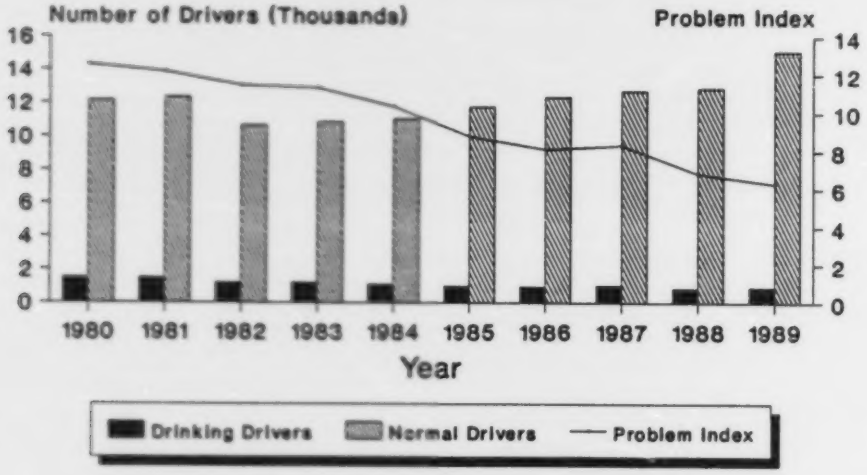
NIAGARA REGIONAL MUNICIPALITY

Drivers Involved in Traffic Crashes, 1980 - 1989

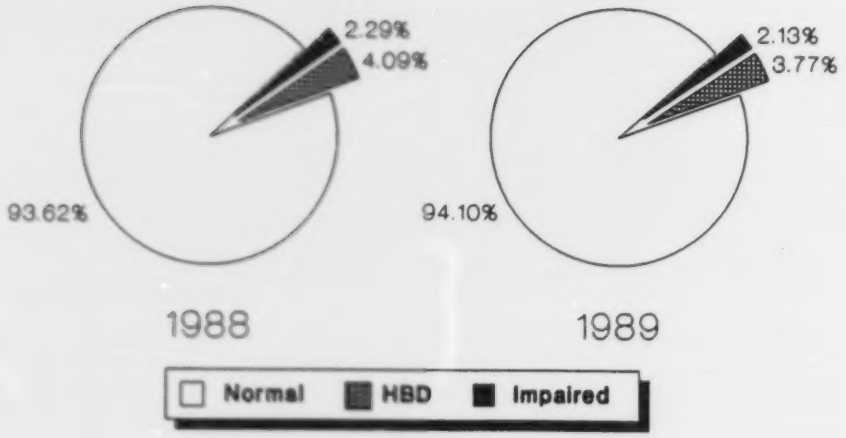
Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	480	232	712	5771	460	166	626	2902	9	10	19	35	949	408	1357	8708
1981	435	256	691	5837	409	200	609	2813	10	17	27	30	854	473	1327	8680
1982	356	194	550	4837	365	148	513	2539	6	14	20	36	727	356	1083	7412
1983	326	192	518	4905	358	148	506	2454	8	11	19	31	692	351	1043	7390
1984	337	177	514	4969	315	147	462	2611	13	11	24	31	665	335	1000	7611
1985	276	144	420	5115	313	142	455	2855	9	11	20	31	598	297	895	8001
1986	261	149	410	5270	292	148	440	3041	8	14	22	29	561	311	872	8340
1987	290	127	417	5211	313	168	481	3175	3	17	20	37	606	312	918	8423
1988	278	157	435	6014	203	113	316	2401	1	8	9	17	482	278	760	8432
1989	299	163	462	7032	217	124	341	2793	8	9	17	37	524	296	820	9862
Female																
1980	49	27	76	2208	65	20	85	1208	1	1	2	8	115	48	163	3424
1981	48	24	72	2389	73	22	95	1261	2	0	2	9	123	46	169	3659
1982	47	21	68	2156	52	11	63	1091	1	1	2	8	100	33	133	3255
1983	55	41	96	2283	66	13	79	1148	0	0	0	14	121	54	175	3445
1984	40	25	65	2262	56	13	69	1153	1	0	1	8	97	38	135	3423
1985	43	23	66	2320	47	19	66	1422	2	1	3	11	92	43	135	3753
1986	39	27	66	2443	47	10	57	1540	0	1	1	6	86	38	124	3989
1987	42	23	65	2564	51	20	71	1723	0	2	2	15	93	45	138	4302
1988	38	20	58	3086	43	16	59	1357	0	1	1	6	81	37	118	4449
1989	37	23	60	3630	45	22	67	1634	1	1	2	11	83	46	129	5275
Total																
1980	529	259	788	7979	525	186	711	4110	10	11	21	43	1064	456	1520	12132
1981	483	280	763	8226	482	222	704	4074	12	17	29	39	977	519	1496	12339
1982	403	215	618	6993	417	159	576	3630	7	15	22	44	827	389	1216	10667
1983	381	233	614	7188	424	161	585	3602	8	11	19	45	813	405	1218	10835
1984	377	202	579	7231	371	160	531	3764	14	11	25	39	762	373	1135	11034
1985	319	167	486	7435	360	161	521	4277	11	12	23	42	690	340	1030	11754
1986	300	176	476	7713	339	158	497	4581	8	15	23	35	647	349	996	12329
1987	332	150	482	7775	364	188	552	4898	3	19	22	52	699	357	1056	12725
1988	316	177	493	9100	246	129	375	3758	1	9	10	23	563	315	878	12881
1989	336	186	522	10662	262	146	408	4427	9	10	19	48	607	342	949	15137

KEY: HBD -- Drivers reported by police to have been drinking
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

NIAGARA REGIONAL MUNICIPALITY
Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



NIPISSING

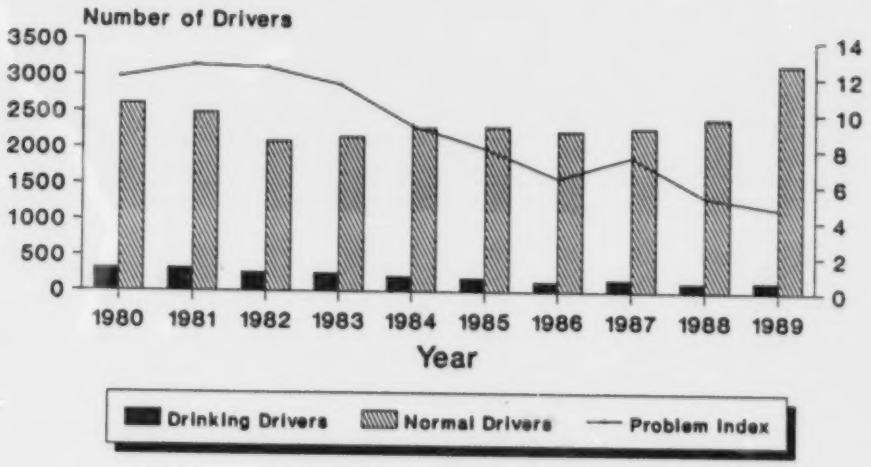
Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	100	44	144	1292	96	42	138	638	4	3	7	15	200	89	289	1945
1981	93	48	141	1207	88	61	149	641	0	4	4	13	181	113	294	1861
1982	83	32	115	1036	72	40	112	500	3	4	7	10	158	76	234	1546
1983	79	38	117	1019	49	41	90	552	4	3	7	22	132	82	214	1593
1984	66	33	99	1105	57	30	87	547	2	1	3	14	125	64	189	1666
1985	52	25	77	978	52	33	85	655	1	2	3	10	105	60	165	1643
1986	40	14	54	934	41	30	71	618	1	0	1	8	82	44	126	1560
1987	38	27	65	942	39	45	84	622	2	4	6	11	79	76	155	1575
1988	42	23	65	1026	28	21	49	629	0	3	3	7	70	47	117	1662
1989	40	30	70	1476	26	34	60	758	2	2	4	18	68	66	134	2252
Female																
1980	7	1	8	412	12	3	15	257	0	0	0	2	19	4	23	671
1981	7	1	8	380	9	2	11	242	0	0	0	2	16	3	19	624
1982	10	6	16	342	8	2	10	198	0	0	0	2	18	8	26	542
1983	9	5	14	345	13	6	19	213	0	1	1	2	22	12	34	560
1984	6	5	11	376	4	6	10	238	0	1	1	1	10	12	22	615
1985	4	3	7	376	7	4	11	271	0	0	0	3	11	7	18	650
1986	5	2	7	401	7	2	9	276	0	0	0	2	12	4	16	679
1987	8	2	10	390	7	0	7	314	0	0	0	4	15	2	17	708
1988	3	1	4	430	5	3	8	324	0	0	0	4	8	4	12	758
1989	1	5	6	554	6	3	9	372	0	0	0	2	7	8	15	928
Total																
1980	107	45	152	1704	108	45	153	895	4	3	7	17	219	93	312	2616
1981	100	49	149	1587	97	63	160	883	0	4	4	15	197	116	313	2485
1982	93	38	131	1378	80	42	122	698	3	4	7	12	176	84	260	2088
1983	88	43	131	1364	62	47	109	765	4	4	8	24	154	94	248	2153
1984	72	38	110	1481	61	36	97	785	2	2	4	15	135	76	211	2281
1985	56	28	84	1354	59	37	96	926	1	2	3	13	116	67	183	2293
1986	45	16	61	1335	48	32	80	894	1	0	1	10	94	48	142	2239
1987	46	29	75	1332	46	45	91	936	2	4	6	15	94	78	172	2283
1988	45	24	69	1456	33	24	57	953	0	3	3	11	78	51	129	2420
1989	41	35	76	2030	32	37	69	1130	2	2	4	20	75	74	149	3180

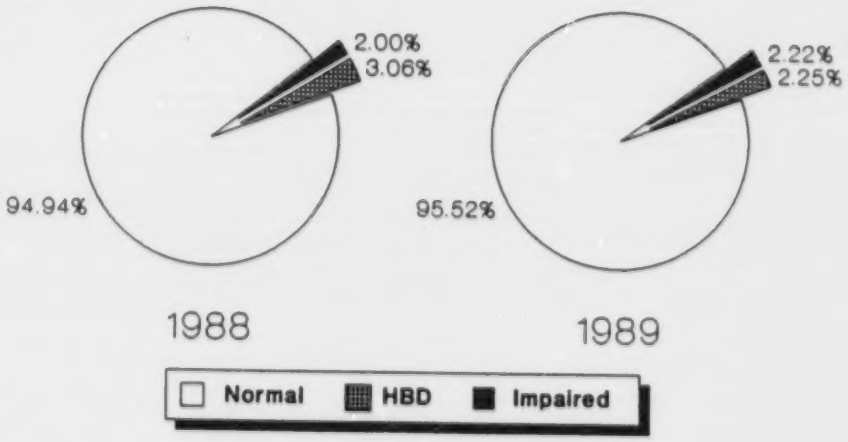
KEY: HBD -- Drivers reported by police to have been drinking
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

NIPISSING

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



NORTHUMBERLAND

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	76	47	123	710	105	33	138	468	5	3	8	10	186	83	269	1188
1981	89	40	129	660	123	22	145	451	3	5	8	17	215	67	282	1128
1982	83	36	119	675	91	27	118	377	1	8	9	11	175	71	246	1063
1983	68	37	105	653	80	42	122	391	6	4	10	14	154	83	237	1058
1984	69	32	101	805	77	30	107	446	1	4	5	9	147	66	213	1260
1985	59	24	83	802	82	25	107	562	3	7	10	10	144	56	200	1374
1986	35	22	57	763	66	20	86	516	1	5	6	24	102	47	149	1303
1987	47	23	70	782	60	37	97	493	0	7	7	16	107	67	174	1291
1988	54	29	83	937	60	28	88	499	2	4	6	9	116	61	177	1445
1989	55	28	83	1086	50	25	75	541	4	2	6	19	109	55	164	1646
Female																
1980	10	0	10	282	14	2	16	172	0	2	2	2	24	4	28	456
1981	11	3	14	231	10	1	11	192	0	0	0	0	21	4	25	423
1982	4	0	4	237	14	7	21	169	0	1	1	0	18	8	26	406
1983	5	2	7	258	9	3	12	193	0	1	1	4	14	6	20	455
1984	7	0	7	348	7	3	10	193	0	1	1	3	14	4	18	544
1985	7	3	10	346	11	1	12	271	0	2	2	5	18	6	24	622
1986	6	3	9	343	6	4	10	254	0	0	0	4	12	7	19	601
1987	4	3	7	350	10	3	13	282	1	1	2	7	15	7	22	639
1988	6	4	10	473	9	8	17	243	0	0	0	2	15	12	27	718
1989	4	3	7	475	8	3	11	271	0	0	0	4	12	6	18	750
Total																
1980	86	47	133	992	119	35	154	640	5	5	10	12	210	87	297	1644
1981	100	43	143	891	133	23	156	643	3	5	8	17	236	71	307	1551
1982	87	36	123	912	105	34	139	546	1	9	10	11	193	79	272	1469
1983	73	39	112	911	89	45	134	584	6	5	11	18	168	89	257	1513
1984	76	32	108	1153	84	33	117	639	1	5	6	12	161	70	231	1804
1985	66	27	93	1148	93	26	119	833	3	9	12	15	162	62	224	1996
1986	41	25	66	1106	72	24	96	770	1	5	6	28	114	54	168	1904
1987	51	26	77	1132	70	40	110	775	1	8	9	23	122	74	196	1930
1988	60	33	93	1410	69	36	105	742	2	4	6	11	131	73	204	2163
1989	59	31	90	1561	58	28	86	812	4	2	6	23	121	61	182	2396

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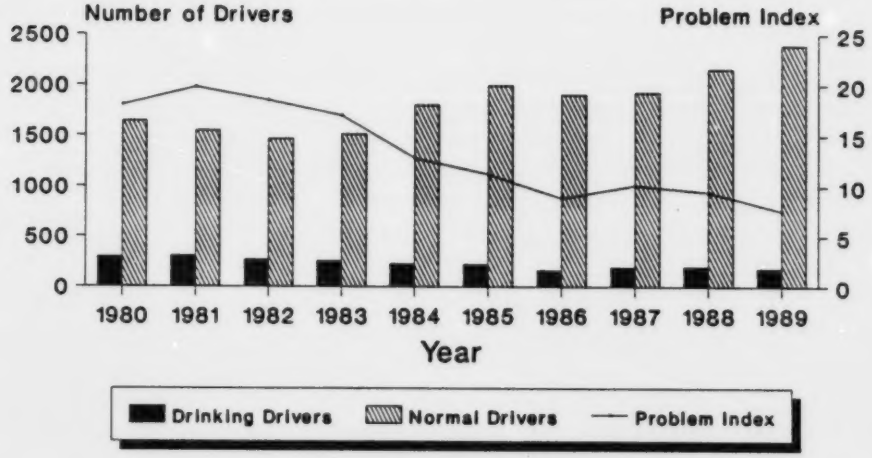
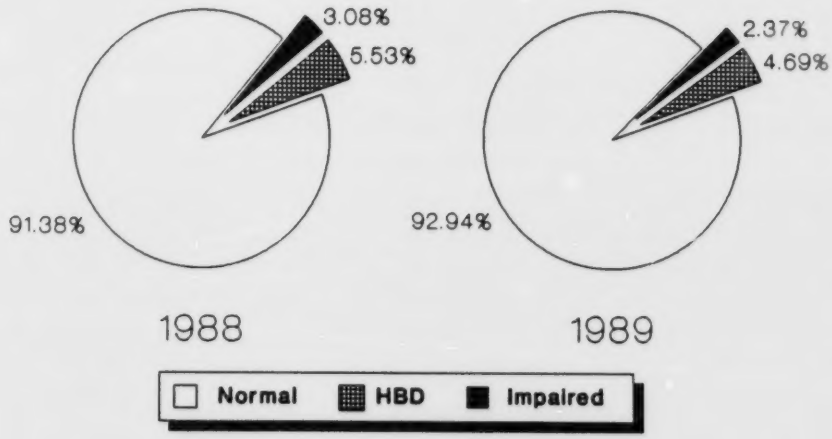
NOR -- Drivers whose condition was reported by police as "normal"

NORTHUMBERLAND

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



OTTAWA-CARLETON REGIONAL MUNICIPALITY

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	474	317	791	10622	320	208	528	3896	10	11	21	39	804	536	1340	14557
1981	473	269	742	10671	335	170	505	3891	7	6	13	39	815	445	1260	14601
1982	443	237	680	11223	311	169	480	4221	3	10	13	27	757	416	1173	15471
1983	422	239	661	11950	322	175	497	4545	8	17	25	40	752	431	1183	16535
1984	428	245	673	12800	297	200	497	4753	14	9	23	57	739	454	1193	17610
1985	293	211	504	11173	275	157	432	5228	7	13	20	36	575	381	956	16437
1986	212	169	381	10664	219	158	377	4893	6	11	17	38	437	338	775	15595
1987	238	204	442	11170	214	154	368	5404	11	9	20	39	463	367	830	16613
1988	229	183	412	11155	177	160	337	5037	2	7	9	49	408	350	758	16241
1989	191	167	358	11844	155	136	291	5315	4	4	8	56	350	307	657	17215
Female																
1980	42	28	70	3449	49	16	65	1402	1	1	2	8	92	45	137	4859
1981	44	26	70	3471	52	13	65	1402	0	1	1	6	96	40	136	4879
1982	57	28	85	3547	56	11	67	1435	1	1	2	2	114	40	154	4984
1983	50	29	79	3980	49	19	68	1713	0	0	0	6	99	48	147	5699
1984	57	38	95	4407	43	19	62	1782	2	0	2	8	102	57	159	6197
1985	39	24	63	3838	34	19	53	2065	2	0	2	5	75	43	118	5908
1986	33	23	56	3785	34	14	48	2057	0	1	1	11	67	38	105	5853
1987	18	29	47	4054	31	14	45	2367	0	1	1	13	49	44	93	6434
1988	37	17	54	4239	28	18	46	2232	1	2	3	20	66	37	103	6491
1989	28	24	52	4854	30	15	45	2357	0	0	0	14	58	39	97	7225
Total																
1980	516	345	861	14071	369	224	593	5298	11	12	23	47	896	581	1477	19416
1981	517	295	812	14142	387	183	570	5293	7	7	14	45	911	485	1396	19480
1982	500	265	765	14770	367	180	547	5656	4	11	15	29	871	456	1327	20455
1983	472	268	740	15930	371	194	565	6258	8	17	25	46	851	479	1330	22234
1984	485	283	768	17207	340	219	559	6535	16	9	25	65	841	511	1352	23807
1985	332	235	567	15011	309	176	485	7293	9	13	22	41	650	424	1074	22345
1986	245	192	437	14449	253	172	425	6950	6	12	18	49	504	376	880	21448
1987	256	233	489	15224	245	168	412	7771	11	10	21	52	512	411	923	23047
1988	266	200	466	15394	205	178	383	7269	3	9	12	69	474	387	861	22732
1989	219	191	410	16698	185	151	336	7672	4	4	8	70	408	346	754	24440

KEY: HBD -- Drivers reported by police to have been drinking
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D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
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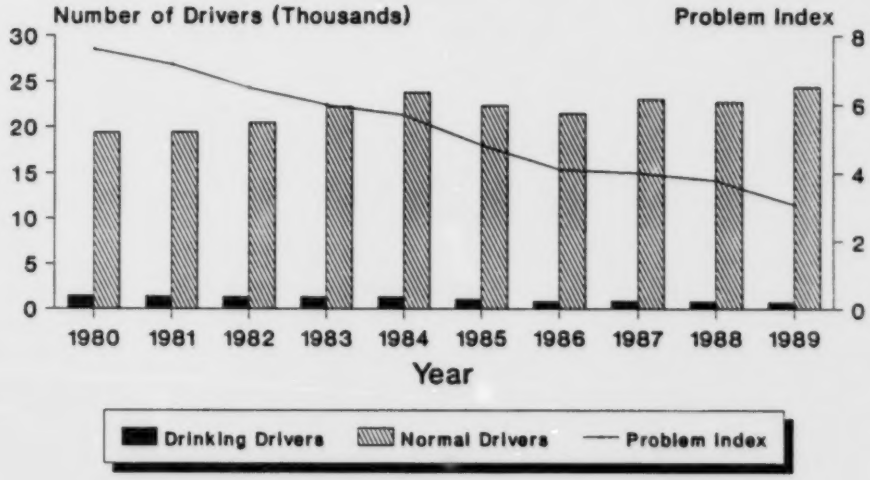
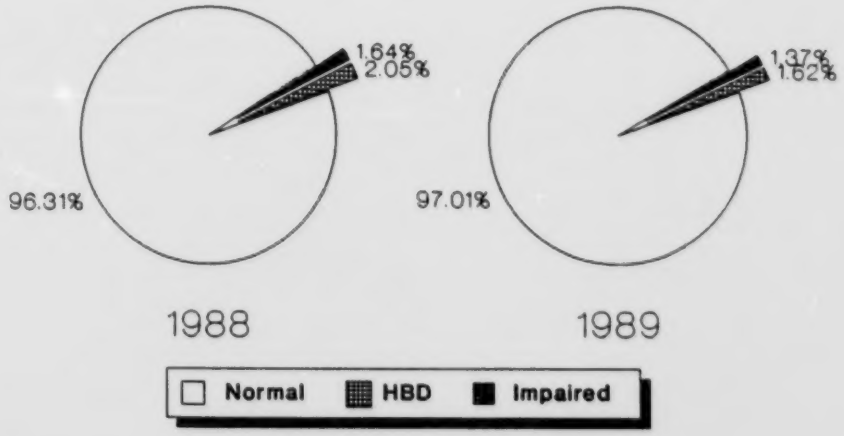
OTTAWA-CARLETON REGIONAL MUNICIPALITY
Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



OXFORD

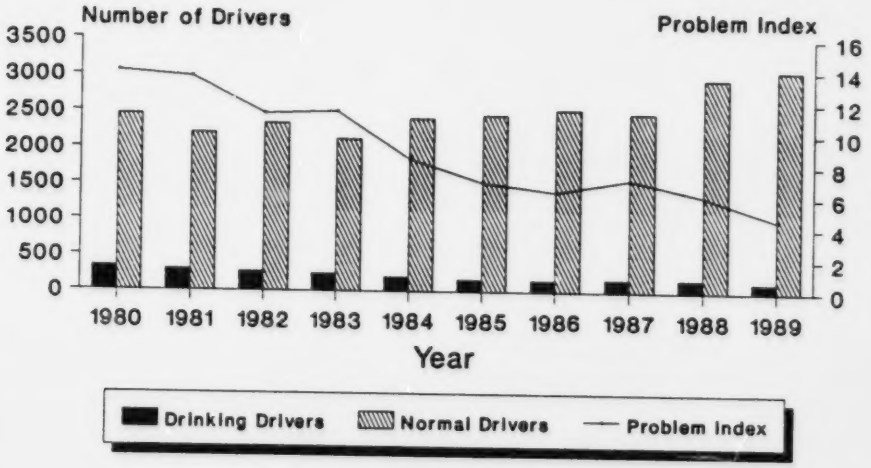
Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	98	57	155	1120	101	38	139	644	4	11	15	20	203	106	309	1784
1981	92	44	136	1075	82	29	111	481	5	8	13	19	179	81	260	1575
1982	72	47	119	1012	81	33	114	572	3	5	8	10	156	85	241	1594
1983	64	39	103	948	76	27	103	542	2	5	7	12	142	71	213	1502
1984	54	37	91	1084	74	17	91	557	1	1	2	4	129	55	184	1645
1985	47	19	66	1055	59	19	78	652	2	1	3	16	108	39	147	1723
1986	41	25	66	1058	39	35	74	671	0	2	2	19	80	62	142	1748
1987	43	23	66	956	56	29	85	680	1	8	9	18	100	60	160	1654
1988	39	31	70	1320	44	36	80	682	5	2	7	13	88	69	157	2015
1989	36	25	61	1367	40	22	62	645	2	4	6	15	78	51	129	2027
Female																
1980	6	6	12	398	16	4	20	263	0	1	1	6	22	11	33	667
1981	9	5	14	415	17	8	25	204	0	0	0	4	26	13	39	623
1982	5	7	12	455	8	1	9	282	0	1	1	2	13	9	22	739
1983	9	4	13	394	14	2	16	224	1	0	1	2	24	6	30	620
1984	8	2	10	495	5	3	8	260	1	0	1	3	14	5	19	758
1985	9	1	10	429	11	1	12	298	0	1	1	0	20	3	23	727
1986	5	0	5	464	11	3	14	322	0	0	0	3	16	3	19	789
1987	0	2	2	464	11	5	16	361	0	0	0	10	11	7	18	835
1988	6	3	9	602	8	6	14	342	0	0	0	2	14	9	23	946
1989	5	2	7	686	4	1	5	365	0	0	0	7	9	3	12	1058
Total																
1980	104	63	167	1518	117	42	159	907	4	12	16	26	225	117	342	2451
1981	101	49	150	1490	99	37	136	685	5	8	13	23	205	94	299	2198
1982	77	54	131	1467	89	34	123	854	3	6	9	12	169	94	263	2333
1983	73	43	116	1342	90	29	119	766	3	5	8	14	166	77	243	2122
1984	62	39	101	1579	79	20	99	817	2	1	3	7	143	60	203	2403
1985	56	20	76	1484	70	20	90	950	2	2	4	16	128	42	170	2450
1986	46	25	71	1522	50	38	88	993	0	2	2	22	96	65	161	2537
1987	43	25	68	1420	67	34	101	1041	1	8	9	28	111	67	178	2489
1988	45	34	79	1922	52	42	94	1024	5	2	7	15	102	78	180	2961
1989	41	27	68	2053	44	23	67	1010	2	4	6	22	87	54	141	3085

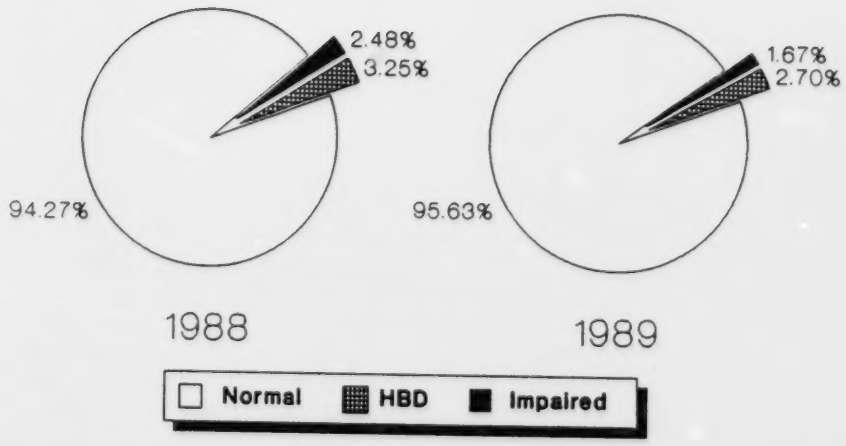
KEY: HBD -- Drivers reported by police to have been drinking
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

OXFORD

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



PARRY SOUND

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	60	36	96	549	81	21	102	320	1	5	6	20	142	62	204	889
1981	64	31	95	518	61	21	82	276	4	4	8	26	129	56	185	820
1982	58	29	87	559	55	16	71	272	4	2	6	14	117	47	164	845
1983	53	21	74	506	51	13	64	297	2	2	4	30	106	36	142	833
1984	51	11	62	566	55	13	68	286	0	3	3	10	106	27	133	862
1985	34	22	56	605	53	16	69	317	1	5	6	15	88	43	131	937
1986	29	22	51	529	31	28	59	295	2	3	5	16	62	53	115	840
1987	27	20	47	462	46	22	68	366	1	4	5	16	74	46	120	844
1988	29	17	46	638	32	16	48	300	2	1	3	7	63	34	97	945
1989	31	19	50	721	31	13	44	359	1	1	2	23	63	33	96	1103
Female																
1980	3	3	6	133	5	0	5	109	0	0	0	3	8	3	11	245
1981	4	0	4	148	12	2	14	81	0	0	0	4	16	2	18	233
1982	5	1	6	167	6	3	9	91	0	0	0	2	11	4	15	260
1983	2	5	7	176	9	1	10	94	0	0	0	6	11	6	17	276
1984	8	1	9	171	5	0	5	93	0	0	0	0	13	1	14	264
1985	3	1	4	203	4	2	6	104	0	0	0	6	7	3	10	313
1986	2	2	4	208	2	0	2	90	0	1	1	5	4	3	7	303
1987	0	1	1	169	7	5	12	137	0	1	1	7	7	7	14	313
1988	2	1	3	219	2	4	6	132	0	0	0	4	4	5	9	355
1989	4	2	6	243	3	1	4	136	1	0	1	10	8	3	11	389
Total																
1980	63	39	102	682	86	21	107	429	1	5	6	23	150	65	215	1134
1981	68	31	99	666	73	23	96	357	4	4	8	30	145	58	203	1053
1982	63	30	93	726	61	19	80	363	4	2	6	16	128	51	179	1105
1983	55	26	81	682	60	14	74	391	2	2	4	36	117	42	159	1109
1984	59	12	71	737	60	13	73	379	0	3	3	10	119	28	147	1126
1985	37	23	60	808	57	18	75	421	1	5	6	21	95	46	141	1250
1986	31	24	55	737	33	28	61	385	2	4	6	21	66	56	122	1143
1987	27	21	48	631	53	27	80	503	1	5	6	23	81	53	134	1157
1988	31	18	49	857	34	20	54	432	2	1	3	11	67	39	106	1300
1989	35	21	56	964	34	14	48	495	2	1	3	33	71	36	107	1492

KEY: HBD -- Drivers reported by police to have been drinking
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
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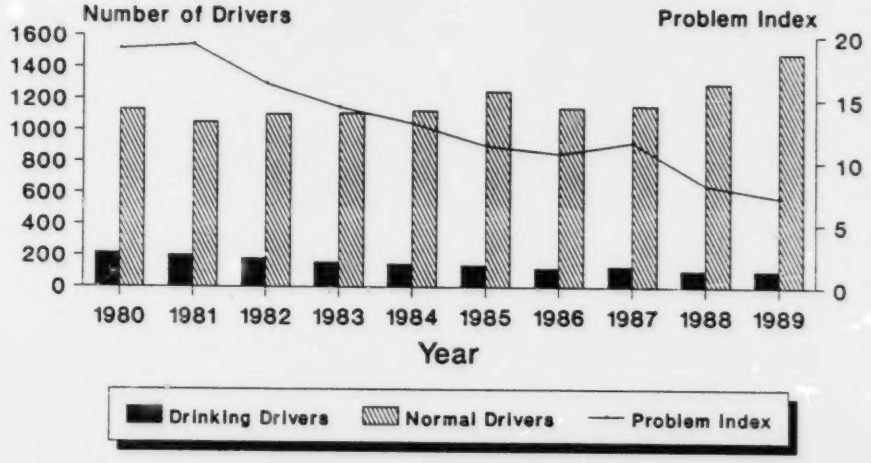
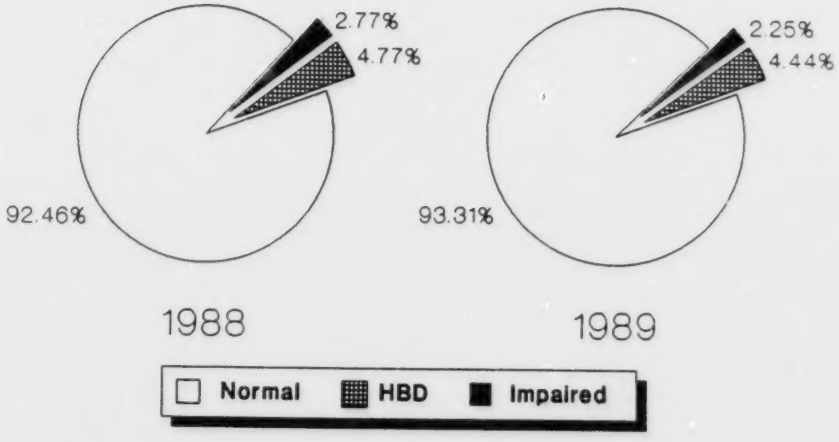
PARRY SOUND

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



PEEL

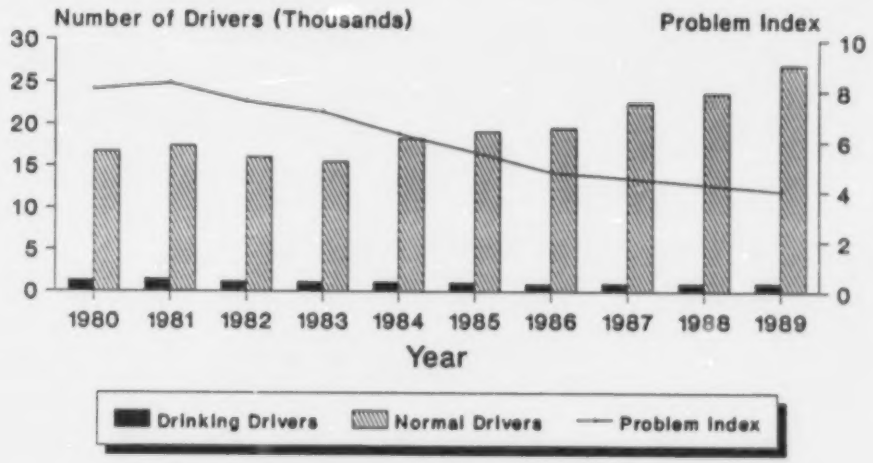
Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	349	276	625	8313	321	259	580	3978	13	15	13	57	683	550	1218	12348
1981	393	234	627	8465	364	282	646	4180	12	13	25	50	769	529	1298	12695
1982	317	230	547	7708	295	238	533	3829	6	19	25	36	618	487	1105	11573
1983	235	209	444	7234	279	235	514	3822	12	15	27	46	526	459	985	11102
1984	255	231	486	8460	283	225	508	4634	10	12	22	40	548	468	1016	13134
1985	235	201	436	8344	238	248	486	5173	10	13	23	55	483	462	945	13572
1986	179	169	348	8274	232	229	461	5531	5	10	15	47	416	408	824	13852
1987	235	190	425	9415	220	245	465	6328	2	18	20	80	457	453	910	15823
1988	248	204	452	10886	219	204	423	5673	8	13	21	56	475	421	896	16617
1989	275	251	526	12815	204	242	446	5991	7	6	13	50	486	499	985	18856
Female																
1980	35	13	48	2838	39	23	62	1527	1	1	2	14	75	37	112	4379
1981	37	27	64	3071	41	32	73	1653	2	2	4	22	80	61	141	4746
1982	40	20	60	2894	31	19	50	1610	1	0	1	12	72	39	111	4516
1983	33	22	55	2787	43	25	68	1614	1	2	3	18	77	49	126	4419
1984	31	29	60	3204	41	33	74	1937	0	0	0	12	72	62	134	5153
1985	27	25	52	3190	41	22	63	2345	0	1	1	16	68	48	116	5551
1986	20	25	45	3306	36	27	63	2417	1	1	2	13	57	53	110	5736
1987	29	18	47	3726	40	23	63	3005	2	1	3	26	71	42	113	6757
1988	37	20	57	4412	29	32	61	2682	1	0	1	16	67	52	119	7110
1989	28	20	48	5314	29	27	56	2923	1	1	2	9	58	48	106	8246
Total																
1980	384	289	673	11151	360	282	642	5505	14	16	30	71	758	587	1345	16727
1981	430	261	691	11536	405	314	719	5833	14	15	29	72	849	590	1439	17441
1982	357	250	607	10602	326	257	583	5439	7	19	26	48	690	526	1216	16089
1983	268	231	499	10021	322	260	582	5436	13	17	30	64	603	508	1111	15521
1984	286	260	546	11664	324	258	582	6571	10	12	22	52	620	530	1150	18287
1985	262	226	488	11534	279	270	549	7518	10	14	24	71	551	510	1061	19123
1986	199	194	393	11580	268	256	524	7948	6	11	17	60	473	461	934	19588
1987	264	208	472	13141	260	268	528	9333	4	19	23	106	528	495	1023	22580
1988	285	224	509	15300	248	236	484	8355	9	13	22	72	542	473	1015	23727
1989	303	271	574	18129	233	269	502	8914	8	7	15	59	544	547	1091	27102

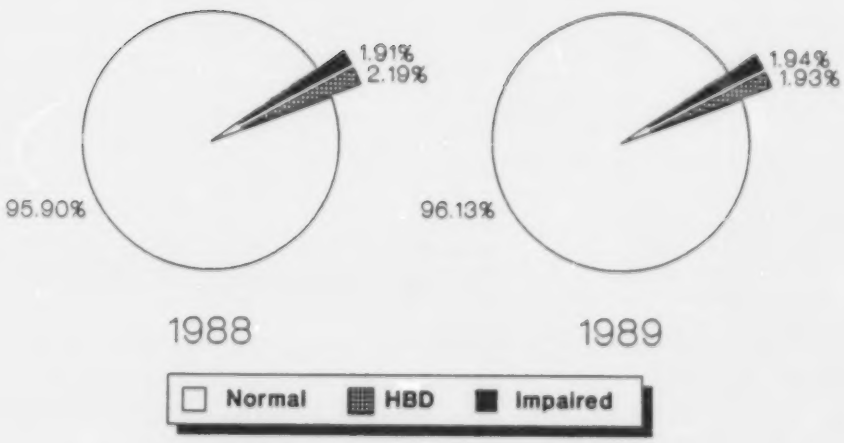
KEY: HBD -- Drivers reported by police to have been drinking
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

PEEL

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



PERTH

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	77	30	107	846	77	21	98	372	2	2	4	12	156	53	209	1230
1981	57	30	87	837	69	27	96	391	2	2	4	13	128	59	187	1241
1982	62	25	87	784	64	24	88	386	1	3	4	7	127	52	179	1177
1983	51	18	69	809	63	24	87	365	4	1	5	6	118	43	161	1180
1984	53	18	71	865	52	20	72	347	2	0	2	7	107	38	145	1219
1985	46	21	67	783	34	14	48	422	0	0	0	10	80	35	115	1215
1986	31	20	51	721	30	14	44	375	1	1	2	19	62	35	97	1115
1987	32	14	46	719	35	12	47	400	2	1	3	8	69	27	96	1127
1988	32	19	51	804	21	16	37	329	1	1	2	8	54	36	90	1141
1989	31	14	45	864	15	13	28	340	1	1	2	6	47	28	75	1210
Female																
1980	5	2	7	291	10	2	12	156	1	1	2	2	16	5	21	449
1981	4	3	7	321	4	3	7	174	1	0	1	2	9	6	15	497
1982	16	0	16	339	3	1	4	159	1	0	1	1	20	1	21	499
1983	7	4	11	404	7	1	8	190	0	1	1	3	14	6	20	597
1984	7	6	13	392	4	3	7	183	0	0	0	4	11	9	20	579
1985	9	5	14	388	6	2	8	209	0	0	0	5	15	7	22	602
1986	3	3	6	341	6	1	7	204	0	0	0	5	9	4	13	550
1987	3	0	3	351	5	2	7	231	0	0	0	2	8	2	10	584
1988	2	4	6	462	3	2	5	197	0	0	0	2	5	6	11	661
1989	4	2	6	492	4	0	4	214	0	0	0	4	8	2	10	710
Total																
1980	82	32	114	1137	87	23	110	528	3	3	6	14	172	58	230	1679
1981	61	33	94	1158	73	30	103	565	3	2	5	15	137	65	202	1738
1982	78	25	103	1123	67	25	92	545	2	3	5	8	147	53	200	1676
1983	58	22	80	1213	70	25	95	555	4	2	6	9	132	49	181	1777
1984	60	24	84	1257	56	23	79	530	2	0	2	11	118	47	165	1798
1985	55	26	81	1171	40	16	56	631	0	0	0	15	95	42	137	1817
1986	34	23	57	1062	36	15	51	579	1	1	2	24	71	39	110	1665
1987	35	14	49	1070	40	14	54	631	2	1	3	10	77	29	106	1711
1988	34	23	57	1266	24	18	42	526	1	1	2	10	59	42	101	1802
1989	35	16	51	1356	19	13	32	554	1	1	2	10	55	30	85	1920

KEY: HBD -- Drivers reported by police to have been drinking
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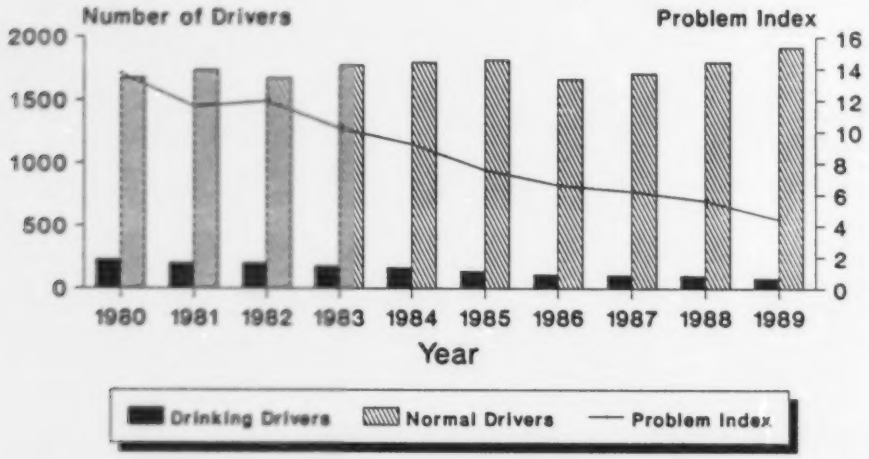
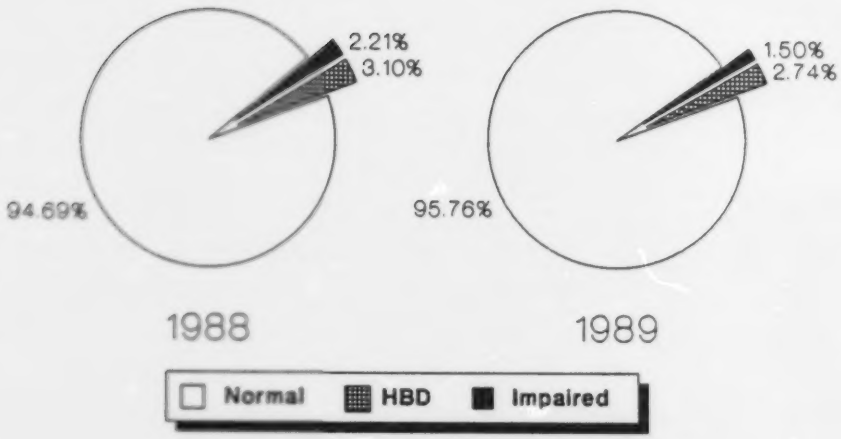
NOR -- Drivers whose condition was reported by police as "normal"

PERTH

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



PETERBOROUGH

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	165	65	230	1405	166	71	237	796	5	5	10	13	336	141	477	2214
1981	151	67	218	1345	139	63	202	752	5	9	14	7	295	139	434	2104
1982	139	58	197	1350	126	39	165	675	0	3	3	9	265	100	365	2034
1983	88	71	159	1232	86	81	167	633	2	7	9	8	176	159	335	1873
1984	92	58	150	1319	100	65	165	808	5	4	9	4	197	127	324	2131
1985	64	71	135	1153	72	60	132	775	1	0	1	5	137	131	268	1933
1986	35	40	75	1168	60	65	125	771	1	5	6	8	96	110	206	1947
1987	56	52	108	1260	60	55	115	862	2	3	5	7	118	110	228	2129
1988	57	65	122	1400	47	44	91	828	5	4	9	13	109	113	222	2241
1989	56	48	104	1518	43	47	90	801	0	0	0	13	99	95	194	2332
Female																
1980	14	5	19	542	17	2	19	369	0	1	1	1	31	8	39	912
1981	20	4	24	530	21	2	23	347	0	0	0	2	41	6	47	879
1982	16	3	19	641	20	1	21	325	0	1	1	1	36	5	41	967
1983	13	10	23	583	16	9	25	331	0	0	0	5	29	19	48	919
1984	5	6	11	619	12	9	21	403	0	2	2	5	17	17	34	1027
1985	3	5	8	511	8	5	13	375	1	0	1	1	12	10	22	887
1986	4	8	12	544	8	4	12	416	1	0	1	2	13	12	25	962
1987	9	3	12	623	5	10	15	462	0	0	0	0	14	13	27	1085
1988	11	6	17	732	9	6	15	460	0	0	0	4	20	12	32	1196
1989	15	8	23	828	8	13	21	520	0	0	0	7	23	21	44	1355
Total																
1980	179	70	249	1947	183	73	256	1165	5	6	11	14	367	149	516	3126
1981	171	71	242	1875	160	65	225	1099	5	9	14	9	336	145	481	2983
1982	155	61	216	1991	146	40	186	1000	0	4	4	10	301	105	406	3001
1983	101	81	182	1815	102	90	192	964	2	7	9	13	205	178	383	2792
1984	97	64	161	1938	112	74	186	1211	5	6	11	9	214	144	358	3158
1985	67	76	143	1664	80	65	145	1150	2	0	2	6	149	141	290	2820
1986	39	48	87	1712	68	69	137	1187	2	5	7	10	109	122	231	2909
1987	65	55	120	1883	65	65	130	1324	2	3	5	7	132	123	255	3214
1988	68	71	139	2132	56	50	106	1288	5	4	9	17	129	125	254	3437
1989	71	56	127	2346	51	60	111	1321	0	0	0	20	122	116	238	3687

KEY: HBD -- Drivers reported by police to have been drinking
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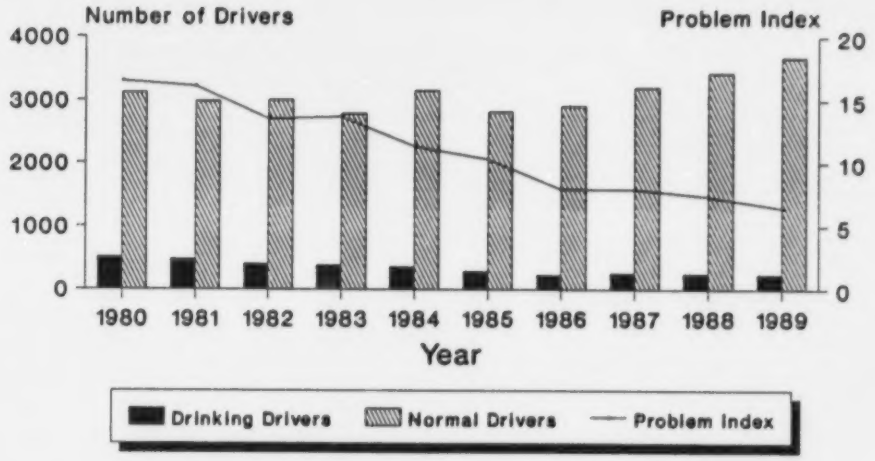
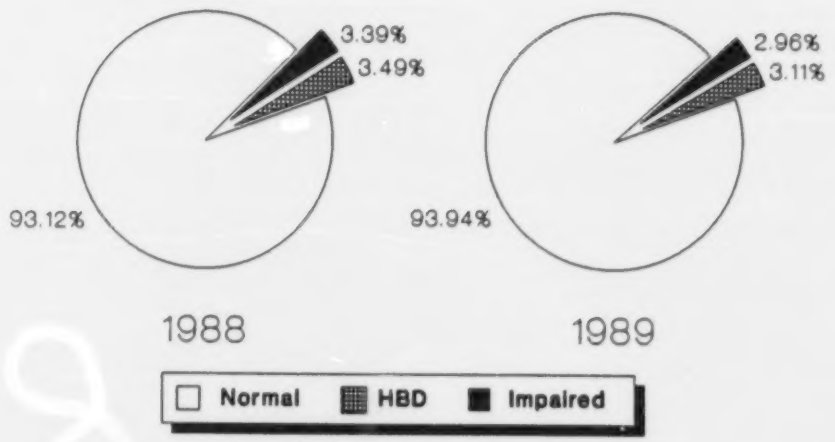
NOR -- Drivers whose condition was reported by police as "normal"

PETERBOROUGH

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



PRESCOTT

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	49	20	69	506	33	21	54	187	3	3	6	7	85	44	129	702
1981	50	24	74	401	37	16	53	160	1	1	2	3	88	41	129	564
1982	38	14	52	343	30	22	52	154	0	1	1	4	68	37	105	501
1983	35	15	50	379	38	11	49	180	1	0	1	5	74	26	100	564
1984	26	7	33	407	32	15	47	170	0	0	0	0	58	22	80	577
1985	28	18	46	388	30	9	39	236	1	3	4	7	59	30	89	631
1986	22	2	24	399	22	10	32	168	0	1	1	3	44	13	57	570
1987	10	14	24	396	20	10	30	211	3	2	5	1	33	26	59	608
1988	22	7	29	427	26	7	33	162	2	0	2	2	50	14	64	591
1989	18	9	27	454	18	11	29	204	0	1	1	4	36	21	57	662
Female																
1980	4	0	4	141	4	2	6	79	0	0	0	0	8	2	10	220
1981	2	1	3	120	5	0	5	58	0	0	0	1	7	1	8	179
1982	1	0	1	87	3	1	4	59	0	0	0	0	4	1	5	146
1983	1	1	2	127	2	0	2	75	1	0	1	1	4	1	5	203
1984	3	0	3	115	3	2	5	61	0	1	1	0	6	3	9	176
1985	2	0	2	128	3	0	3	92	1	0	1	0	6	0	6	220
1986	3	0	3	127	3	3	6	87	0	0	0	3	6	3	9	217
1987	0	0	0	142	4	0	4	77	0	1	1	1	4	1	5	220
1988	0	0	0	182	1	0	1	85	0	0	0	0	1	0	1	267
1989	1	0	1	219	4	0	4	109	0	0	0	0	5	0	5	328
Total																
1980	53	20	73	649	37	23	60	266	3	3	6	7	93	46	139	922
1981	52	25	77	521	42	16	58	218	1	1	2	4	95	42	137	743
1982	39	14	53	430	33	23	56	213	0	1	1	4	72	38	110	647
1983	36	16	52	506	40	11	51	255	2	0	2	6	78	27	105	767
1984	29	7	36	522	35	17	52	231	0	1	1	0	64	25	89	753
1985	30	18	48	516	33	9	42	328	2	3	5	7	65	30	95	851
1986	25	2	27	526	25	13	38	255	0	1	1	6	50	16	66	787
1987	10	14	24	538	24	10	34	288	3	3	6	2	37	27	64	828
1988	22	7	29	609	27	7	34	247	2	0	2	2	51	14	65	858
1989	19	9	28	673	22	11	33	313	0	1	1	4	41	21	62	990

KEY: HBD – Drivers reported by police to have been drinking
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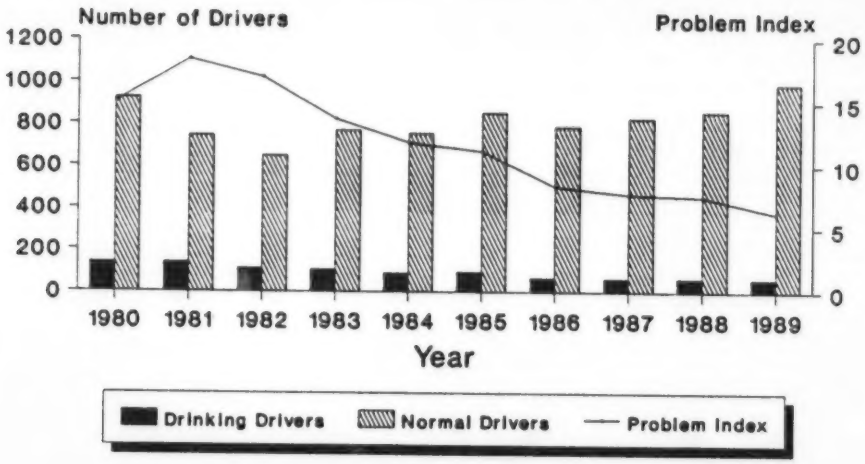
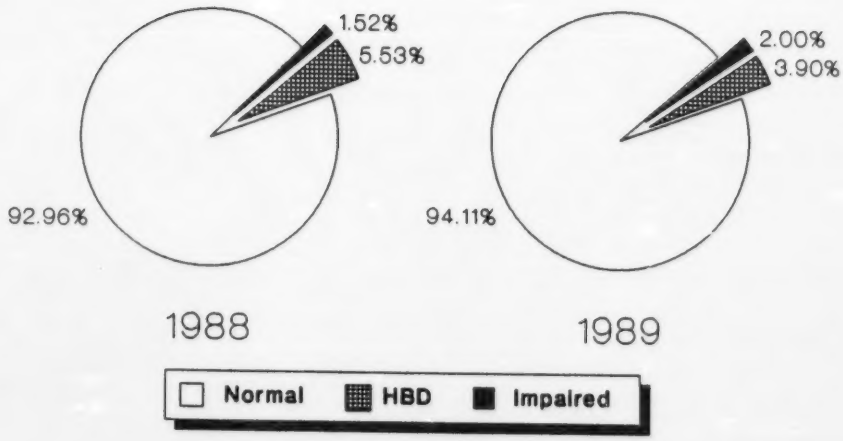
D/D – Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR – Drivers whose condition was reported by police as "normal"

PRESCOTT

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



PRINCE EDWARD

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	27	16	43	199	22	14	36	83	3	3	6	1	52	33	85	283
1981	27	21	48	186	23	7	30	80	0	2	2	5	50	30	80	271
1982	30	13	43	186	29	14	43	96	1	3	4	2	60	30	90	284
1983	20	14	34	182	25	11	36	74	0	1	1	1	45	26	71	257
1984	28	12	40	217	25	10	35	89	1	0	1	4	54	22	76	310
1985	19	12	31	236	29	11	40	131	0	2	2	1	48	25	73	368
1986	8	9	17	196	13	10	23	98	1	2	3	2	22	21	43	296
1987	18	6	24	180	15	10	25	98	0	1	1	1	33	17	50	279
1988	13	7	20	180	16	12	28	85	0	0	0	6	29	19	48	271
1989	15	10	25	221	11	6	17	100	2	0	2	4	28	16	44	325
Female																
1980	3	3	6	68	7	0	7	41	0	0	0	0	10	3	13	109
1981	2	3	5	80	3	1	4	34	0	0	0	1	5	4	9	115
1982	4	1	5	79	3	0	3	38	0	0	0	1	7	1	8	118
1983	3	2	5	84	5	0	5	41	0	0	0	1	8	2	10	126
1984	1	0	1	92	3	1	4	31	0	0	0	1	4	1	5	124
1985	1	1	2	98	1	1	2	57	0	0	0	0	2	2	4	155
1986	2	2	4	105	5	1	6	47	0	0	0	0	7	3	10	152
1987	0	1	1	90	4	0	4	51	0	1	1	2	4	2	6	143
1988	0	0	0	79	2	1	3	55	0	0	0	3	2	1	3	137
1989	1	1	2	138	1	1	2	56	0	0	0	0	2	2	4	194
Total																
1980	30	19	49	267	29	14	43	124	3	3	6	1	62	36	98	392
1981	29	24	53	266	26	8	34	114	0	2	2	6	55	34	89	386
1982	34	14	48	265	32	14	46	134	1	3	4	3	67	31	98	402
1983	23	16	39	266	30	11	41	115	0	1	1	2	53	28	81	383
1984	29	12	41	309	28	11	39	120	1	0	1	5	58	23	81	434
1985	20	13	33	334	30	12	42	188	0	2	2	1	50	27	77	523
1986	10	11	21	301	18	11	29	145	1	2	3	2	29	24	53	448
1987	18	7	25	270	19	10	29	149	0	2	2	3	37	19	56	422
1988	13	7	20	259	18	13	31	140	0	0	0	9	31	20	51	408
1989	16	11	27	359	12	7	19	156	2	0	2	4	30	18	48	519

KEY: HBD -- Drivers reported by police to have been drinking
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
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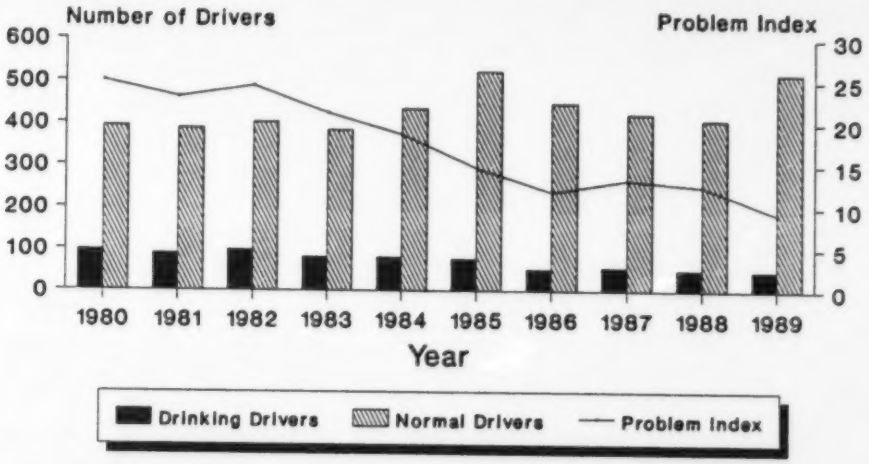
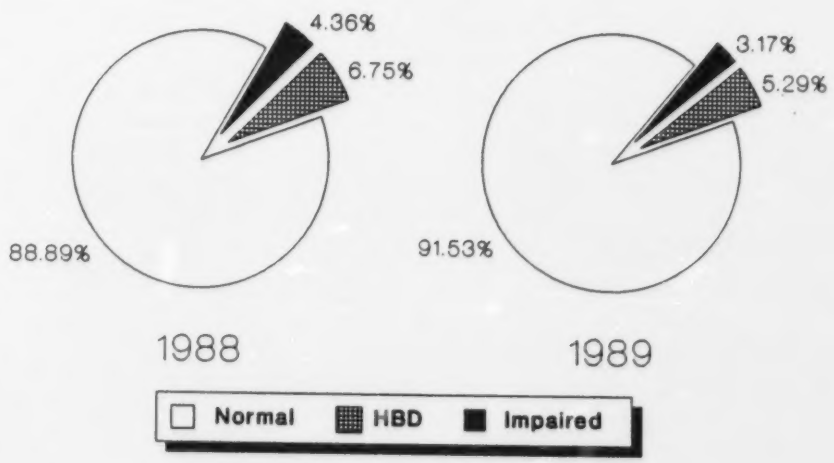
PRINCE EDWARD

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



RAINY RIVER

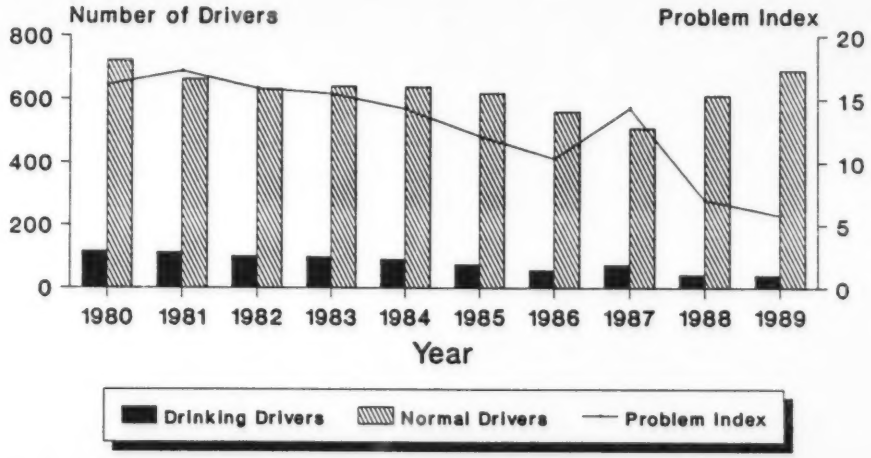
Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	44	19	63	398	32	10	42	135	2	2	4	4	78	31	109	537
1981	35	17	52	382	27	16	43	108	1	1	2	0	63	34	97	490
1982	35	25	60	374	17	12	29	105	1	2	3	2	53	39	92	481
1983	31	18	49	344	25	10	35	128	1	2	3	4	57	30	87	476
1984	30	14	44	314	24	8	32	121	2	1	3	4	56	23	79	439
1985	24	6	30	339	19	13	32	127	0	1	1	0	43	20	63	466
1986	17	9	26	290	21	7	28	100	0	1	1	1	38	17	55	391
1987	21	9	30	257	18	8	26	99	2	2	4	3	41	19	60	359
1988	13	4	17	329	13	4	17	95	1	0	1	0	27	8	35	424
1989	9	6	15	374	9	4	13	99	2	0	2	4	20	10	30	477
Female																
1980	1	3	4	129	3	0	3	56	1	0	1	1	5	3	8	186
1981	7	2	9	124	5	3	8	48	0	0	0	0	12	5	17	172
1982	1	2	3	119	2	2	4	31	1	0	1	0	4	4	8	150
1983	3	2	5	109	6	1	7	54	0	0	0	2	9	3	12	165
1984	2	2	4	150	5	2	7	50	0	1	1	0	7	5	12	200
1985	3	2	5	99	3	3	6	54	0	1	1	0	6	6	12	153
1986	2	0	2	106	1	0	1	63	0	0	0	1	3	0	3	170
1987	2	3	5	93	5	2	7	58	1	0	1	0	8	5	13	151
1988	1	2	3	131	3	2	5	57	0	0	0	0	4	4	8	188
1989	4	2	6	154	2	2	4	57	0	0	0	3	6	4	10	214
Total																
1980	45	22	67	527	35	10	45	191	3	2	5	5	83	34	117	723
1981	42	19	61	506	32	19	51	156	1	1	2	0	75	39	114	662
1982	36	27	63	493	19	14	33	136	2	2	4	2	57	43	100	631
1983	34	20	54	453	31	11	42	182	1	2	3	6	66	33	99	641
1984	32	16	48	464	29	10	39	171	2	2	4	4	63	28	91	639
1985	27	8	35	438	22	16	38	181	0	2	2	0	49	26	75	619
1986	19	9	28	396	22	7	29	163	0	1	1	2	41	17	58	561
1987	23	12	35	350	23	10	33	157	3	2	5	3	49	24	73	510
1988	14	6	20	460	16	6	22	152	1	0	1	0	31	12	43	612
1989	13	8	21	528	11	6	17	156	2	0	2	7	26	14	40	691

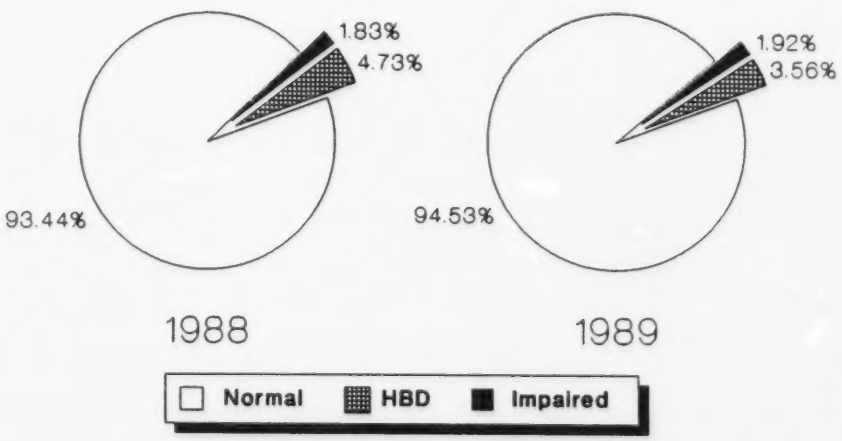
KEY: HBD -- Drivers reported by police to have been drinking
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

RAINY RIVER

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



RENFREW

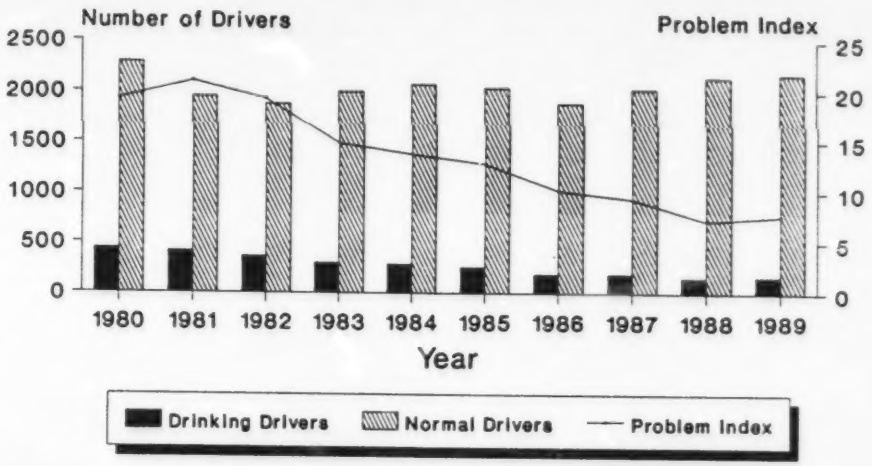
Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	139	41	180	1160	159	51	210	516	8	7	15	19	306	99	405	1695
1981	126	61	187	945	132	38	170	472	7	10	17	15	265	109	374	1432
1982	111	48	159	912	115	39	154	461	7	7	14	22	233	94	327	1395
1983	88	48	136	1009	85	40	125	475	3	4	7	19	176	92	268	1503
1984	93	50	143	1036	80	31	111	454	3	2	5	19	176	83	259	1509
1985	82	30	112	952	94	32	126	465	3	5	8	11	179	67	246	1428
1986	54	28	82	862	61	26	87	448	3	4	7	14	118	58	176	1324
1987	55	28	83	881	64	21	85	492	1	4	5	15	120	53	173	1388
1988	46	24	70	973	37	19	56	460	1	6	7	16	84	49	133	1449
1989	50	34	84	1002	36	26	62	455	6	1	7	20	92	61	153	1477
Female																
1980	10	4	14	385	16	5	21	202	1	0	1	5	27	9	36	592
1981	7	8	15	323	16	6	22	198	0	0	0	0	23	14	37	521
1982	13	4	17	310	13	4	17	172	2	0	2	2	28	8	36	484
1983	9	4	13	325	15	1	16	169	0	1	1	8	24	6	30	502
1984	10	4	14	384	11	1	12	177	1	0	1	8	22	5	27	569
1985	4	1	5	378	8	1	9	230	0	1	1	5	12	3	15	613
1986	4	4	8	322	7	1	8	237	0	0	0	4	11	5	16	563
1987	5	1	6	369	9	1	10	271	1	0	1	4	15	2	17	644
1988	5	4	9	442	8	2	10	256	0	2	2	3	13	8	21	701
1989	6	3	9	453	3	3	6	252	0	0	0	3	9	6	15	708
Total																
1980	149	45	194	1545	175	56	231	718	9	7	16	24	333	108	441	2287
1981	133	69	202	1268	148	44	192	670	7	10	17	15	288	123	411	1953
1982	124	52	176	1222	128	43	171	633	9	7	16	24	261	102	363	1879
1983	97	52	149	1334	100	41	141	644	3	5	8	27	200	98	298	2005
1984	103	54	157	1420	91	32	123	631	4	2	6	27	198	88	286	2078
1985	86	31	117	1330	102	33	135	695	3	6	9	16	191	70	261	2041
1986	58	32	90	1184	68	27	95	685	3	4	7	18	129	63	192	1887
1987	60	29	89	1250	73	22	95	763	2	4	6	19	135	55	190	2032
1988	51	28	79	1415	45	21	66	716	1	8	9	19	97	57	154	2150
1989	56	37	93	1455	39	29	68	707	6	1	7	23	101	67	168	2185

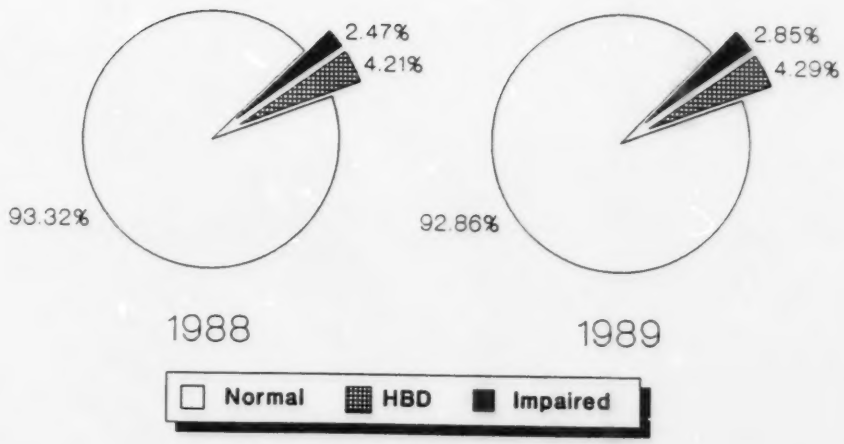
KEY: HBD -- Drivers reported by police to have been drinking
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

RENFREW

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



RUSSELL

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	25	5	30	223	29	7	36	92	2	0	2	2	56	12	68	317
1981	17	6	23	141	21	9	30	80	0	1	1	3	38	16	54	224
1982	27	11	38	190	17	8	25	92	2	0	2	1	46	19	65	283
1983	22	12	34	233	17	12	29	122	1	1	2	4	40	25	65	359
1984	18	7	25	209	21	9	30	123	2	0	2	5	41	16	57	337
1985	20	7	27	237	24	5	29	148	0	1	1	4	44	13	57	389
1986	11	5	16	245	26	11	37	118	0	1	1	4	37	17	54	367
1987	10	10	20	270	12	13	25	145	1	3	4	6	23	26	49	421
1988	17	2	19	279	12	7	19	118	2	2	4	2	31	11	42	399
1989	14	10	24	306	7	10	17	132	1	3	4	3	22	23	45	441
Female																
1980	4	1	5	69	0	0	0	40	0	0	0	1	4	1	5	110
1981	3	1	4	46	3	0	3	36	0	0	0	1	6	1	7	83
1982	1	1	2	76	1	0	1	31	0	0	0	0	2	1	3	107
1983	0	1	1	84	2	1	3	48	0	0	0	3	2	2	4	135
1984	2	0	2	101	2	0	2	47	0	0	0	1	4	0	4	149
1985	2	1	3	91	3	1	4	83	0	0	0	1	5	2	7	175
1986	0	4	4	111	3	2	5	53	0	0	0	0	3	6	9	164
1987	2	0	2	102	0	1	1	52	0	0	0	1	2	1	3	155
1988	0	3	3	149	2	3	5	78	0	0	0	0	2	6	8	227
1989	2	1	3	155	1	0	1	70	1	1	2	2	4	2	6	227
Total																
1980	29	6	35	292	29	7	36	132	2	0	2	3	60	13	73	427
1981	20	7	27	187	24	9	33	116	0	1	1	4	44	17	61	307
1982	28	12	40	266	18	8	26	123	2	0	2	1	48	20	68	390
1983	22	13	35	317	19	13	32	170	1	1	2	7	42	27	69	494
1984	20	7	27	310	23	9	32	170	2	0	2	6	45	16	61	486
1985	22	8	30	328	27	6	33	231	0	1	1	5	49	15	64	564
1986	11	9	20	356	29	13	42	171	0	1	1	4	40	23	63	531
1987	12	10	22	372	12	14	26	197	1	3	4	7	25	27	52	576
1988	17	5	22	428	14	10	24	196	2	2	4	2	33	17	50	626
1989	16	11	27	461	8	10	18	202	2	4	6	5	26	25	51	668

KEY: HBD -- Drivers reported by police to have been drinking
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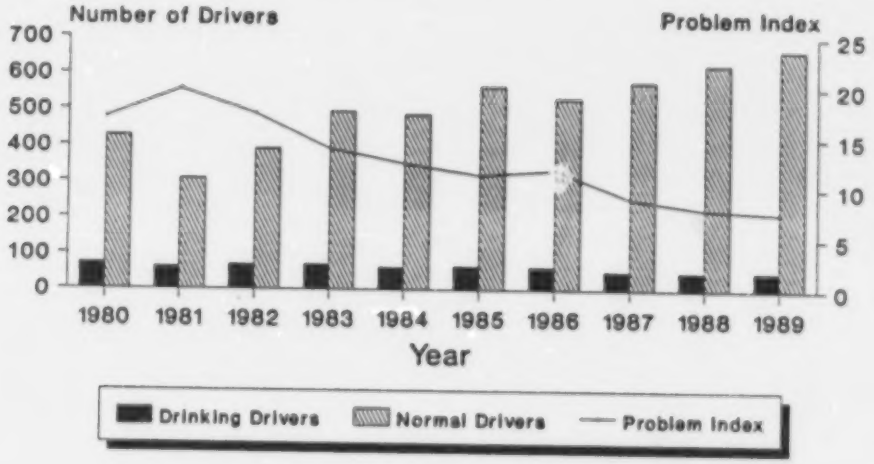
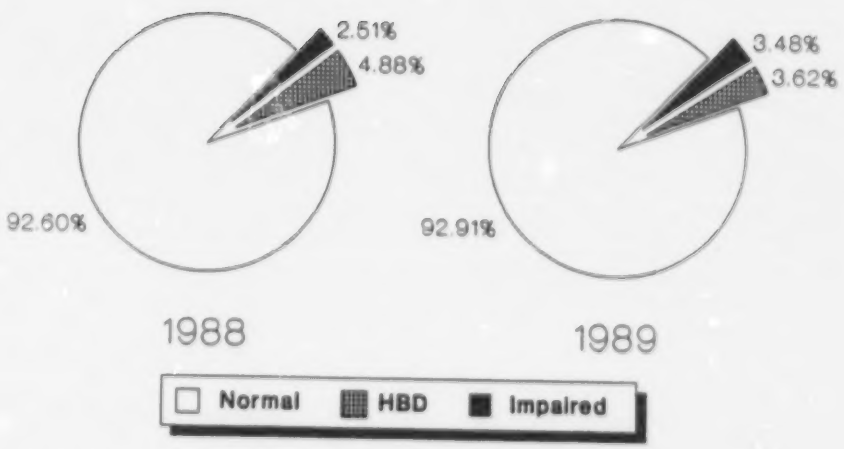
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

RUSSELL

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



SIMCOE

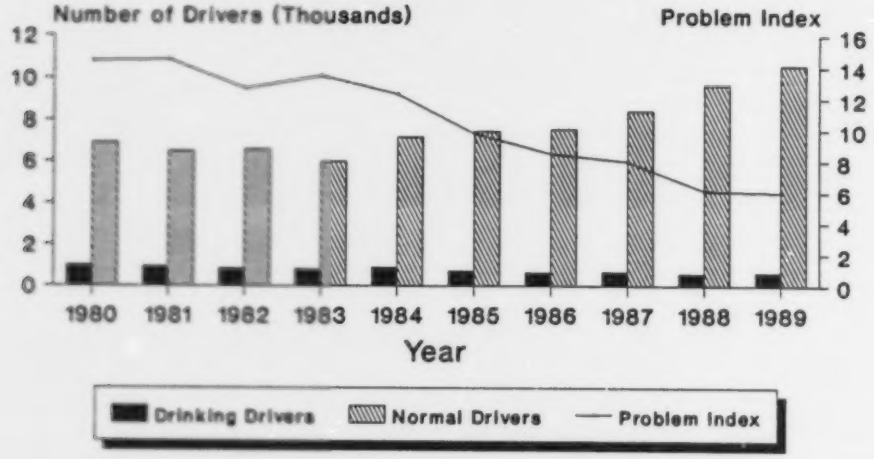
Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	310	156	466	3157	280	142	422	1775	10	11	21	18	600	309	909	4950
1981	253	156	409	3043	287	136	423	1572	9	12	21	32	549	304	853	4647
1982	225	140	365	3067	232	132	364	1544	5	4	9	37	462	276	738	4648
1983	239	136	375	2731	204	118	322	1400	2	11	13	37	445	265	710	4168
1984	232	157	389	3266	240	124	364	1666	8	11	19	33	480	292	772	4965
1985	197	111	308	3300	222	110	332	1765	7	9	16	25	426	230	656	5090
1986	176	106	282	3308	157	115	272	1796	5	7	12	32	338	228	566	5136
1987	145	123	268	3455	167	148	315	2192	5	7	12	41	317	278	595	5688
1988	149	107	256	4406	147	105	252	2045	3	13	16	31	299	225	524	6482
1989	171	136	307	5068	122	118	240	2001	9	6	15	49	302	260	562	7118
Female																
1980	23	11	34	1208	42	10	52	746	1	0	1	7	66	21	87	1961
1981	25	17	42	1217	35	14	49	641	0	0	0	7	60	31	91	1865
1982	40	7	47	1271	39	8	47	662	0	0	0	10	79	15	94	1943
1983	37	9	46	1200	34	11	45	603	1	1	2	6	72	21	93	1809
1984	45	13	58	1446	37	9	46	735	2	0	2	8	84	22	106	2189
1985	21	12	33	1523	29	6	35	817	0	2	2	13	50	20	70	2353
1986	23	13	36	1466	29	8	37	922	1	0	1	12	53	21	74	2400
1987	14	8	22	1613	37	17	54	1095	0	1	1	15	51	26	77	2723
1988	26	10	36	2116	19	12	31	1055	1	1	2	8	46	23	69	3179
1989	22	19	41	2339	23	10	33	1138	1	1	2	12	46	30	76	3489
Total																
1980	333	167	500	4365	322	152	474	2521	11	11	22	25	666	330	996	6911
1981	278	173	451	4260	322	150	472	2213	9	12	21	39	609	335	944	6512
1982	265	147	412	4338	271	140	411	2206	5	4	9	47	541	291	832	6591
1983	276	145	421	3931	238	129	367	2003	3	12	15	43	517	286	803	5977
1984	277	170	447	4712	277	133	410	2401	10	11	21	41	564	314	878	7154
1985	218	123	341	4823	251	116	367	2582	7	11	18	38	476	250	726	7443
1986	199	119	318	4774	186	123	309	2718	6	7	13	44	391	249	640	7536
1987	159	131	290	5068	204	165	369	3287	5	8	13	56	368	304	672	8411
1988	175	117	292	6522	166	117	283	3100	4	14	18	39	345	248	593	9661
1989	193	155	348	7407	145	128	273	3139	10	7	17	61	348	290	638	10607

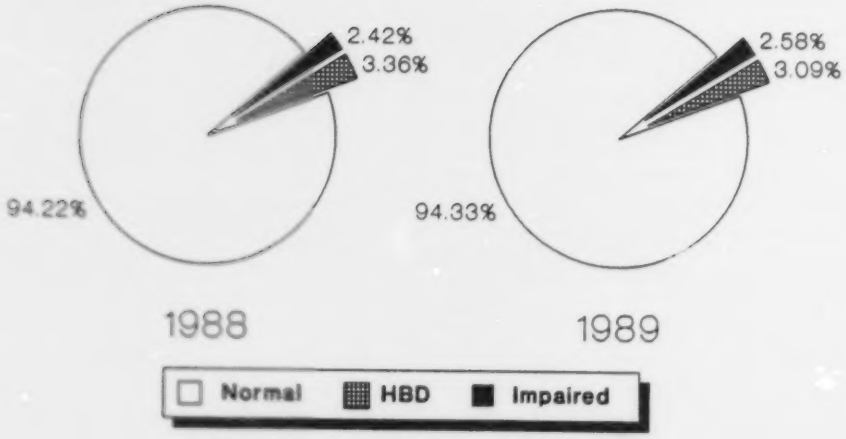
KEY:
HBD -- Drivers reported by police to have been drinking
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

SIMCOE

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



STORMONT

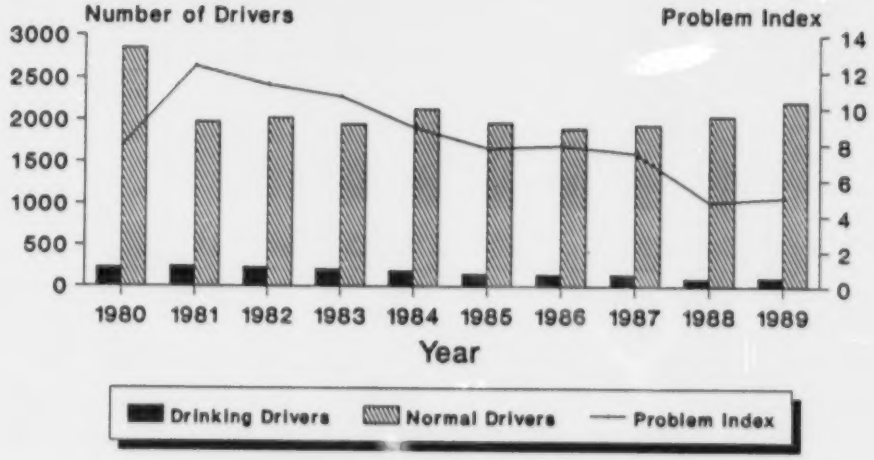
Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	71	33	104	1811	77	27	104	467	0	2	2	6	148	62	210	2284
1981	64	44	108	945	90	23	113	485	0	1	1	4	154	68	222	1434
1982	68	31	99	944	82	26	108	548	0	4	4	5	150	61	211	1497
1983	53	41	94	932	60	25	85	458	0	4	4	9	113	70	183	1399
1984	53	34	87	1049	56	22	78	463	1	1	2	3	110	57	167	1515
1985	35	28	63	873	42	27	69	520	2	2	4	2	79	57	136	1395
1986	34	25	59	852	42	28	70	451	1	5	6	2	77	58	135	1305
1987	40	20	60	795	35	31	66	522	0	1	1	3	75	52	127	1320
1988	26	17	43	897	18	20	38	530	1	2	3	6	45	39	84	1433
1989	29	24	53	963	20	23	43	529	2	1	3	11	51	48	99	1503
Female																
1980	8	1	9	374	4	2	6	187	0	0	0	3	12	3	15	564
1981	12	1	13	324	8	0	8	216	0	0	0	1	20	1	21	541
1982	3	2	5	325	10	1	11	196	0	0	0	2	13	3	16	523
1983	8	1	9	337	10	1	11	207	1	2	3	1	19	4	23	545
1984	6	4	10	413	12	0	12	195	0	0	0	0	18	4	22	608
1985	8	2	10	342	5	1	6	222	0	0	0	3	13	3	16	567
1986	1	3	4	380	5	4	9	206	0	1	1	2	6	8	14	588
1987	4	4	8	374	6	3	9	234	0	0	0	2	10	7	17	610
1988	3	3	6	372	5	2	7	238	0	0	0	1	8	5	13	611
1989	3	1	4	455	5	2	7	254	0	1	1	6	8	4	12	715
Total																
1980	79	34	113	2185	81	29	110	654	0	2	2	9	160	65	225	2848
1981	76	45	121	1269	98	23	121	701	0	1	1	5	174	69	243	1975
1982	71	33	104	1269	92	27	119	744	0	4	4	7	163	64	227	2020
1983	61	42	103	1269	70	26	96	665	1	6	7	10	132	74	206	1944
1984	59	38	97	1462	68	22	90	658	1	1	2	3	128	61	189	2123
1985	43	30	73	1215	47	28	75	742	2	2	4	5	92	60	152	1962
1986	35	28	63	1232	47	32	79	657	1	6	7	4	83	66	149	1893
1987	44	24	68	1169	41	34	75	756	0	1	1	5	85	59	144	1930
1988	29	20	49	1269	23	22	45	768	1	2	3	7	53	44	97	2044
1989	32	25	57	1418	25	25	50	783	2	2	4	17	59	52	111	2218

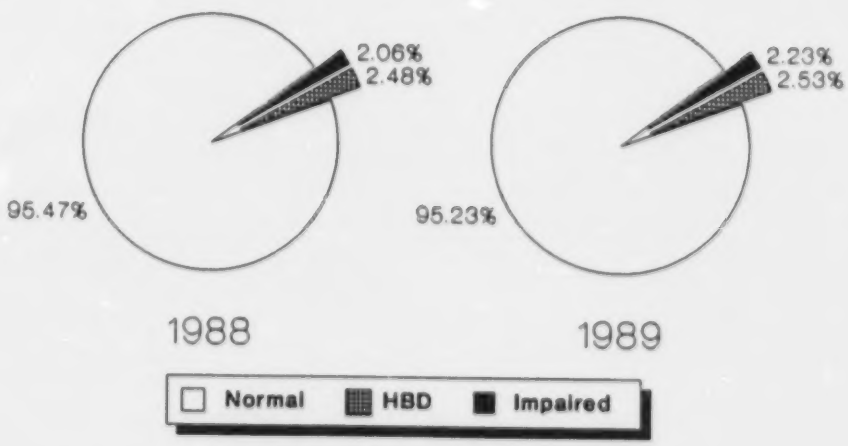
KEY: HBD -- Drivers reported by police to have been drinking
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

STORMONT

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



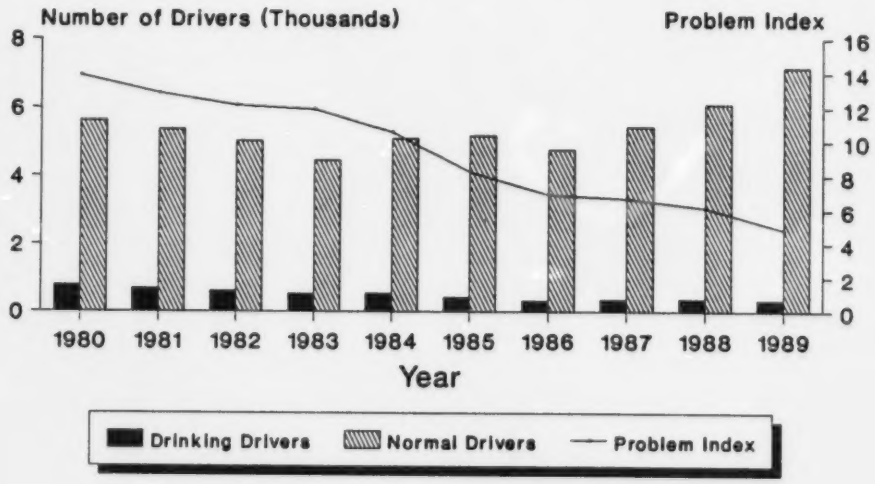
SUDBURY DISTRICT & REGIONAL MUNICIPALITY

Drivers Involved in Traffic Crashes, 1980 - 1989

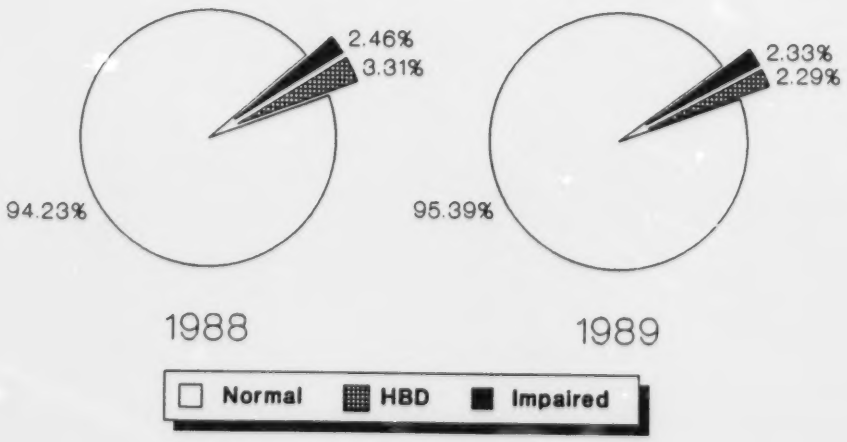
Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	206	146	352	2674	212	139	351	1549	4	20	24	26	422	305	727	4249
1981	198	105	303	2571	184	112	296	1368	6	13	19	35	388	230	618	3974
1982	161	122	283	2462	166	89	255	1207	2	9	11	16	329	220	549	3685
1983	133	85	218	1997	132	100	232	1160	6	15	21	18	271	200	471	3175
1984	141	81	222	2295	139	115	254	1343	3	11	14	30	283	207	490	3668
1985	92	60	152	2204	125	83	208	1478	8	7	15	28	225	150	375	3710
1986	71	44	115	1934	88	71	159	1400	6	8	14	28	165	123	288	3362
1987	74	57	131	2174	100	78	178	1573	4	8	12	18	178	143	321	3765
1988	90	61	151	2722	89	73	162	1478	4	9	13	27	183	143	326	4227
1989	87	69	156	3175	65	85	150	1671	1	5	6	26	153	159	312	4872
Female																
1980	11	11	22	835	19	11	30	531	0	0	0	7	30	22	52	1373
1981	22	10	32	856	19	17	36	519	1	1	2	8	42	28	70	1383
1982	21	5	26	830	27	5	32	498	0	1	1	6	48	11	59	1334
1983	16	9	25	739	19	14	33	535	0	0	0	6	35	23	58	1280
1984	18	4	22	826	18	6	24	588	1	0	1	5	37	10	47	1419
1985	14	5	19	809	19	13	32	651	0	0	0	8	33	18	51	1468
1986	14	5	19	771	16	6	22	634	0	0	0	4	30	11	41	1409
1987	9	3	12	930	20	8	28	737	1	1	2	10	30	12	42	1677
1988	14	5	19	1110	16	10	26	746	1	1	2	11	31	16	47	1867
1989	5	6	11	1432	14	10	24	863	0	0	0	6	19	16	35	2301
Total																
1980	217	157	374	3509	231	150	381	2080	4	20	24	33	452	327	779	5622
1981	220	115	335	3427	203	129	332	1887	7	14	21	43	430	258	688	5357
1982	182	127	309	3292	193	94	287	1705	2	10	12	22	377	231	608	5019
1983	149	94	243	2736	151	114	265	1695	6	15	21	24	306	223	529	4455
1984	159	85	244	3121	157	121	278	1931	4	11	15	35	320	217	537	5087
1985	106	65	171	3013	144	96	240	2129	8	7	15	36	258	168	426	5178
1986	85	49	134	2705	104	77	181	2034	6	8	14	32	195	134	329	4771
1987	83	60	143	3104	120	86	206	2310	5	9	14	28	208	155	363	5442
1988	104	66	170	3832	105	83	188	2224	5	10	15	38	214	159	373	6094
1989	92	75	167	4607	79	95	174	2534	1	5	6	32	172	175	347	7173

KEY: HBD -- Drivers reported by police to have been drinking
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

SUDBURY DISTRICT & REGIONAL MUNICIPALITY
Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



THUNDER BAY

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	245	186	431	3279	208	122	330	1238	8	10	18	35	461	318	779	4552
1981	257	152	409	2940	178	115	293	1218	4	9	13	22	439	276	715	4180
1982	166	129	295	2985	141	106	247	1088	5	5	10	9	312	240	552	4082
1983	184	127	311	2887	139	111	250	1158	5	9	14	25	328	247	575	4070
1984	186	147	333	2983	163	121	284	1288	5	7	12	20	354	275	629	4291
1985	159	109	268	2744	125	88	213	1222	3	8	11	20	287	205	492	3986
1986	97	87	184	2561	92	81	173	1400	4	7	11	22	193	175	368	3983
1987	112	79	191	2376	96	94	190	1322	1	4	5	18	209	177	386	3716
1988	96	78	174	2969	73	54	127	1171	5	5	10	23	174	137	311	4163
1989	83	103	186	3145	75	57	132	1156	4	1	5	21	162	161	323	4322
Female																
1980	30	8	38	1088	35	11	46	464	0	1	1	6	65	20	85	1558
1981	20	19	39	1003	29	16	45	472	0	0	0	4	49	35	84	1479
1982	18	14	32	1009	16	9	25	461	1	0	1	2	35	23	58	1472
1983	24	9	33	1144	28	13	41	541	0	1	1	5	52	23	75	1690
1984	22	24	46	1226	28	14	42	556	1	0	1	4	51	38	89	1786
1985	21	17	38	1156	17	5	22	561	0	0	0	4	38	22	60	1721
1986	12	10	22	1171	21	12	33	633	0	1	1	6	33	23	56	1810
1987	13	13	26	1024	17	19	36	681	0	0	0	4	30	32	62	1709
1988	15	17	32	1304	11	2	13	666	0	0	0	9	26	19	45	1979
1989	14	8	22	1458	11	9	20	695	0	0	0	1	25	17	42	2154
Total																
1980	275	194	469	4367	243	133	376	1702	8	11	19	41	526	338	864	6110
1981	277	171	448	3943	207	131	338	1690	4	9	13	26	488	311	799	5659
1982	184	143	327	3994	157	115	272	1549	6	5	11	11	347	263	610	5554
1983	208	136	344	4031	167	124	291	1699	5	10	15	30	380	270	650	5760
1984	208	171	379	4209	191	135	326	1844	6	7	13	24	405	313	718	6077
1985	180	126	306	3900	142	93	235	1783	3	8	11	24	325	227	552	5707
1986	109	97	206	3732	113	93	206	2033	4	8	12	28	226	198	424	5793
1987	125	92	217	3400	113	113	226	2003	1	4	5	22	239	209	448	5425
1988	111	95	206	4273	84	56	140	1837	5	5	10	32	200	156	356	6142
1989	97	111	208	4603	86	66	152	1851	4	1	5	22	187	178	365	6476

KEY: HBD -- Drivers reported by police to have been drinking
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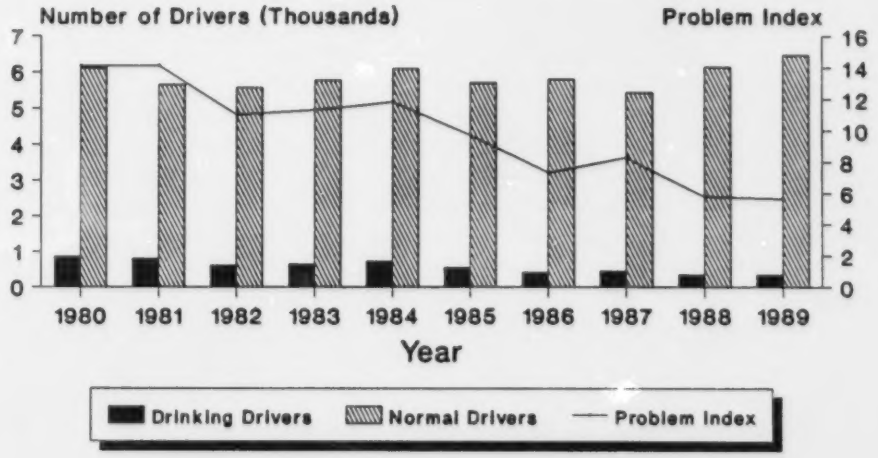
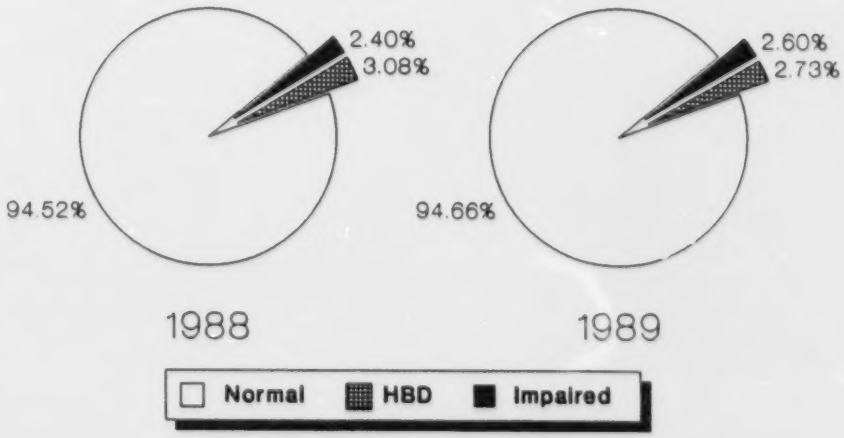
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

THUNDER BAY

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



TIMISKAMING

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	76	23	99	654	53	21	74	245	2	7	9	11	131	51	182	910
1981	59	37	96	610	66	25	91	262	2	3	5	10	127	65	192	882
1982	54	18	72	604	48	14	62	245	2	5	7	9	104	37	141	858
1983	59	28	87	505	48	12	60	237	0	3	3	4	107	43	150	746
1984	49	15	64	541	35	12	47	212	1	1	2	3	85	28	113	756
1985	39	17	56	504	47	15	62	263	1	0	1	5	87	32	119	772
1986	23	12	35	496	32	8	40	227	0	5	5	11	55	25	80	734
1987	21	13	34	490	23	15	38	259	1	0	1	8	45	28	73	757
1988	20	18	38	640	24	12	36	235	0	1	1	4	44	31	75	879
1989	18	9	27	611	10	10	20	241	1	0	1	5	29	19	48	857
Female																
1980	8	1	9	163	4	2	6	87	0	0	0	2	12	3	15	252
1981	11	3	14	160	3	0	3	98	0	1	1	2	14	4	18	260
1982	1	2	3	166	10	4	14	71	0	1	1	4	11	7	18	241
1983	3	0	3	172	2	3	5	71	0	2	2	2	5	5	10	245
1984	3	3	6	178	4	2	6	83	0	0	0	1	7	5	12	262
1985	3	1	4	160	5	0	5	79	0	0	0	0	8	1	9	239
1986	3	1	4	162	1	1	2	113	0	0	0	0	4	2	6	275
1987	1	1	2	181	5	4	9	89	1	0	1	1	7	5	12	271
1988	1	4	5	201	2	0	2	101	0	0	0	0	3	4	7	302
1989	2	2	4	249	1	3	4	92	1	0	1	0	4	5	9	341
Total																
1980	84	24	108	817	57	23	80	332	2	7	9	13	143	54	197	1162
1981	70	40	110	770	69	25	94	360	2	4	6	12	141	69	210	1142
1982	55	20	75	770	58	18	76	316	2	6	8	13	115	44	159	1099
1983	62	28	90	677	50	15	65	308	0	5	5	6	112	48	160	991
1984	52	18	70	719	39	14	53	295	1	1	2	4	92	33	125	1018
1985	42	18	60	664	52	15	67	342	1	0	1	5	95	33	128	1011
1986	26	13	39	658	33	9	42	340	0	5	5	11	59	27	86	1009
1987	22	14	36	671	28	19	47	348	2	0	2	9	52	33	85	1028
1988	21	22	43	841	26	12	38	336	0	1	1	4	47	35	82	1181
1989	20	11	31	860	11	13	24	333	2	0	2	5	33	24	57	1198

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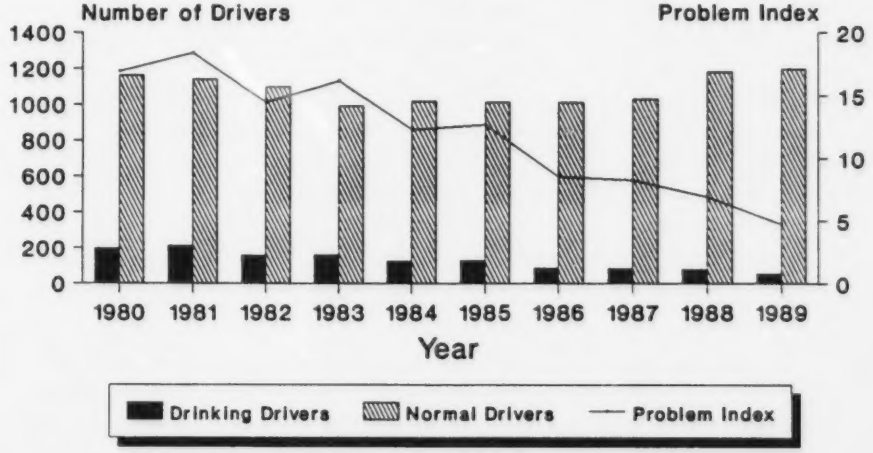
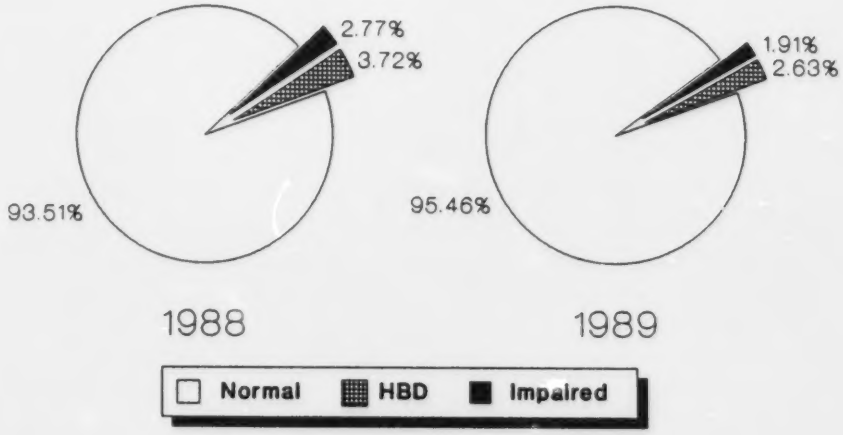
TIMISKAMING

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



METROPOLITAN TORONTO & YORK REGION

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	1518	1236	2754	43566	1171	1161	2332	23004	22	32	54	151	2711	2429	5140	66721
1981	1572	1280	2852	46696	1188	1155	2343	24316	14	25	39	132	2774	2460	5234	71144
1982	1449	1110	2559	43796	1106	1068	2174	22988	22	23	45	122	2577	2201	4778	66906
1983	1186	894	2080	39796	944	885	1829	21912	17	30	47	114	2147	1809	3956	61822
1984	1241	935	2176	42777	971	918	1889	24226	16	32	48	125	2228	1885	4113	67128
1985	906	753	1659	38373	1047	968	2015	28740	11	33	44	142	1964	1754	3718	67255
1986	801	648	1449	38018	876	853	1729	29295	16	21	37	123	1693	1522	3215	67436
1987	888	656	1544	42702	976	998	1974	33137	14	22	36	155	1878	1676	3554	75994
1988	1060	755	1815	51579	927	840	1767	30141	21	34	55	177	2008	1629	3637	81897
1989	1173	854	2027	58566	915	814	1729	29723	25	16	41	163	2113	1684	3797	88452
Female																
1980	144	107	251	12313	161	114	275	7217	1	3	4	48	306	224	530	19578
1981	158	112	270	13189	184	137	321	7703	2	2	4	24	344	251	595	20916
1982	138	97	235	12671	161	114	275	7213	3	4	7	27	302	215	517	19911
1983	129	88	217	12207	124	100	224	7509	0	1	1	27	253	189	442	19743
1984	120	101	221	13356	120	99	219	8209	1	1	2	29	241	201	442	21594
1985	105	82	187	12103	139	107	246	10149	4	2	6	31	248	191	439	22283
1986	89	72	161	12271	94	80	174	10652	0	5	5	24	183	157	340	22947
1987	102	78	180	14143	141	106	247	12221	2	2	4	38	245	186	431	26402
1988	135	64	199	16983	107	83	190	11396	2	1	3	31	244	148	392	28410
1989	129	78	207	20181	81	84	165	11459	1	2	3	40	211	164	375	31680
Total																
1980	1662	1343	3005	55879	1332	1275	2607	30221	23	35	58	199	3017	2653	5670	86299
1981	1730	1392	3122	59885	1372	1292	2664	32019	16	27	43	156	3118	2711	5829	92060
1982	1587	1207	2794	56467	1267	1182	2449	30201	25	27	52	149	2879	2416	5295	86817
1983	1315	982	2297	52003	1068	985	2053	29421	17	31	48	141	2400	1998	4398	81565
1984	1361	1036	2397	56133	1091	1017	2108	32435	17	33	50	154	2469	2086	4555	88722
1985	1011	835	1846	50476	1186	1075	2261	38889	15	35	50	173	2212	1945	4157	89538
1986	890	720	1610	50289	970	933	1903	39947	16	26	42	147	1876	1679	3555	90383
1987	990	734	1724	56845	1117	1104	2221	45358	16	24	40	193	2123	1862	3985	102396
1988	1195	819	2014	68562	1034	923	1957	41537	23	35	58	208	2252	1777	4029	110307
1989	1302	932	2234	78747	996	898	1894	41182	26	18	44	203	2324	1848	4172	120132

KEY: HBD -- Drivers reported by police to have been drinking
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D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
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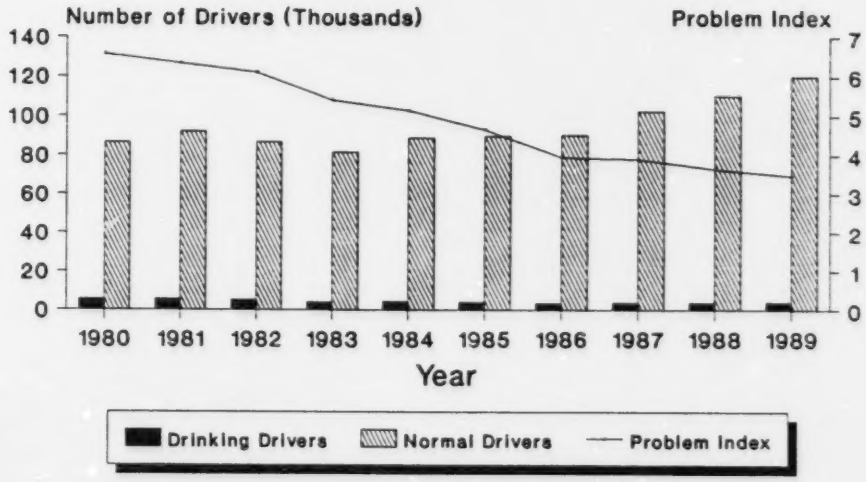
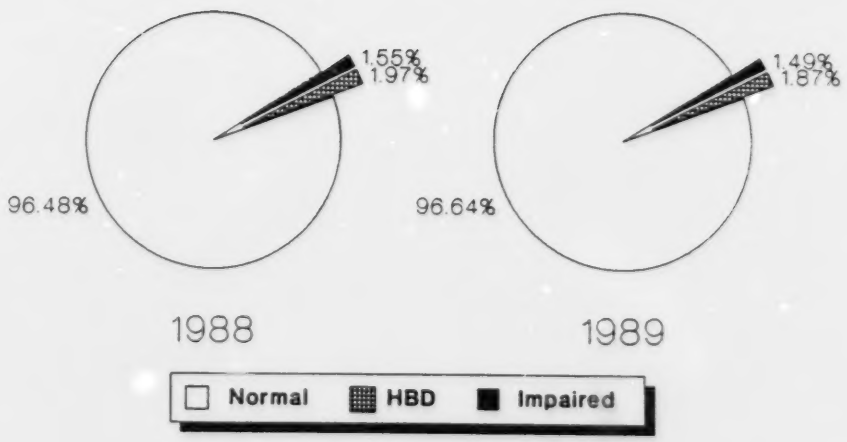
METROPOLITAN TORONTO & YORK REGION
Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



VICTORIA

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	64	29	93	564	81	17	98	316	2	2	4	6	147	48	195	886
1981	70	24	94	552	71	18	89	294	4	2	6	7	145	44	189	853
1982	57	22	79	511	80	21	101	290	2	3	5	8	139	46	185	809
1983	51	20	71	523	81	28	109	275	0	4	4	7	132	52	184	805
1984	51	24	75	603	66	19	85	282	5	3	8	6	122	46	168	891
1985	46	21	67	584	53	15	68	343	2	3	5	9	101	39	140	936
1986	26	16	42	615	47	21	68	367	2	5	7	12	75	42	117	994
1987	41	23	64	611	61	14	75	420	3	1	4	4	105	38	143	1035
1988	42	20	62	788	42	21	63	456	4	2	6	10	88	43	131	1254
1989	53	21	74	920	42	19	61	432	1	4	5	5	96	44	140	1357
Female																
1980	8	1	9	207	7	1	8	121	0	0	0	3	15	2	17	331
1981	4	2	6	210	6	2	8	145	0	0	0	2	10	4	14	357
1982	5	1	6	186	9	2	11	129	0	4	4	2	14	7	21	317
1983	7	4	11	231	7	3	10	151	0	0	0	1	14	7	21	383
1984	4	4	8	245	10	0	10	158	0	1	1	3	14	5	19	406
1985	6	1	7	204	9	4	13	156	0	0	0	4	15	5	20	364
1986	5	3	8	240	6	3	9	154	0	0	0	0	11	6	17	394
1987	5	2	7	313	8	4	12	204	0	1	1	2	13	7	20	519
1988	4	1	5	413	10	4	14	257	0	0	0	7	14	5	19	677
1989	7	1	8	455	6	0	6	243	1	0	1	2	14	1	15	700
Total																
1980	72	30	102	771	88	18	106	437	2	2	4	9	162	50	212	1217
1981	74	26	100	762	77	20	97	439	4	2	6	9	155	48	203	1210
1982	62	23	85	697	89	23	112	419	2	7	9	10	153	53	206	1126
1983	58	24	82	754	88	31	119	426	0	4	4	8	146	59	205	1188
1984	55	28	83	848	76	19	95	440	5	4	9	9	136	51	187	1297
1985	52	22	74	788	62	19	81	499	2	3	5	13	116	44	160	1300
1986	31	19	50	855	53	24	77	521	2	5	7	12	86	48	134	1388
1987	46	25	71	924	69	18	87	624	3	2	5	6	118	45	163	1554
1988	46	21	67	1201	52	25	77	713	4	2	6	17	102	48	150	1931
1989	60	22	82	1375	48	19	67	675	2	4	6	7	110	45	155	2057

KEY: HBD -- Drivers reported by police to have been drinking
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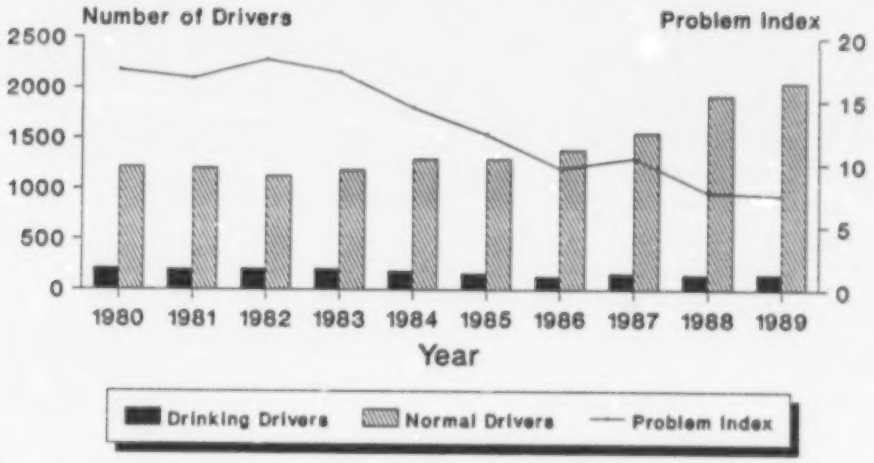
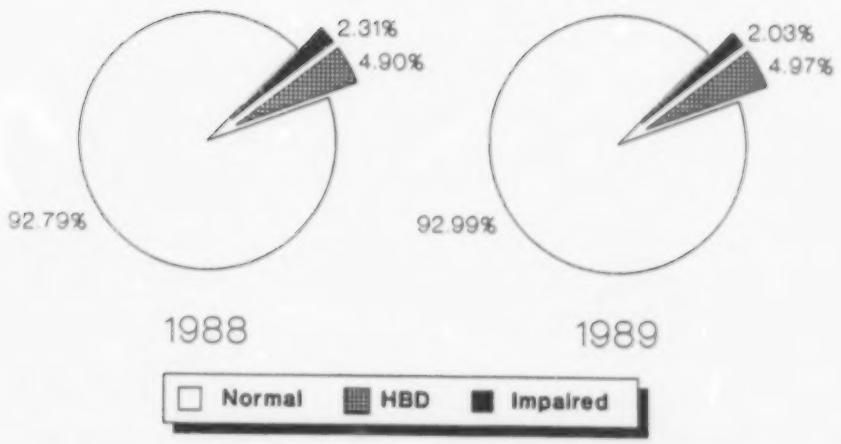
VICTORIA

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



WATERLOO

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	345	194	539	4996	265	182	447	2341	7	12	19	21	617	388	1005	7358
1981	343	190	533	4896	242	202	444	2076	6	7	13	29	591	399	990	7001
1982	298	168	466	4992	223	154	377	2047	8	7	15	21	529	329	858	7060
1983	221	159	380	4489	194	146	340	2035	4	9	13	23	419	314	733	6547
1984	232	151	383	4857	211	172	383	2319	9	5	14	16	452	328	780	7192
1985	192	146	338	4521	216	158	374	2788	5	12	17	21	413	316	729	7330
1986	179	113	292	4595	171	163	334	2893	4	6	10	20	354	282	636	7508
1987	172	123	295	5062	184	169	353	3252	4	7	11	33	360	299	659	8347
1988	183	163	346	5960	153	156	309	3054	5	4	9	26	341	323	664	9040
1989	173	157	330	6307	102	156	258	2910	6	3	9	26	281	316	597	9243
Female																
1980	39	19	58	1849	32	14	46	967	1	0	1	10	72	33	105	2826
1981	47	10	57	1940	28	15	43	912	0	0	0	3	75	25	100	2855
1982	39	12	51	2032	31	16	47	886	0	1	1	6	70	29	99	2954
1983	31	21	52	1902	29	14	43	982	0	0	0	7	60	35	95	2891
1984	40	13	53	2143	30	16	46	1053	0	0	0	4	70	29	99	3200
1985	17	15	32	2046	28	23	51	1305	0	0	0	6	45	38	83	3357
1986	17	7	24	2056	15	17	32	1389	0	0	0	6	32	24	56	3451
1987	18	14	32	2297	24	13	37	1610	0	1	1	6	42	28	70	3913
1988	22	19	41	2740	24	20	44	1566	1	0	1	11	47	39	86	4317
1989	20	15	35	2970	23	12	35	1569	0	0	0	7	43	27	70	4546
Total																
1980	384	213	597	6845	297	196	493	3308	8	12	20	31	689	421	1110	10184
1981	390	200	590	6836	270	217	487	2988	6	7	13	32	666	424	1090	9856
1982	337	180	517	7054	254	170	424	2933	8	8	16	27	599	358	957	10014
1983	252	180	432	6391	223	160	383	3017	4	9	13	30	479	349	828	9438
1984	272	164	436	7000	241	188	429	3372	9	5	14	20	522	357	879	10392
1985	209	161	370	6567	244	181	425	4093	5	12	17	27	458	354	812	10687
1986	196	120	316	6651	186	180	366	4282	4	6	10	26	386	306	692	10959
1987	190	137	327	7359	208	182	390	4862	4	8	12	39	402	327	729	12260
1988	205	182	387	8700	177	176	353	4620	6	4	10	37	388	362	750	13357
1989	193	172	365	9277	125	168	293	4479	6	3	9	33	324	343	667	13789

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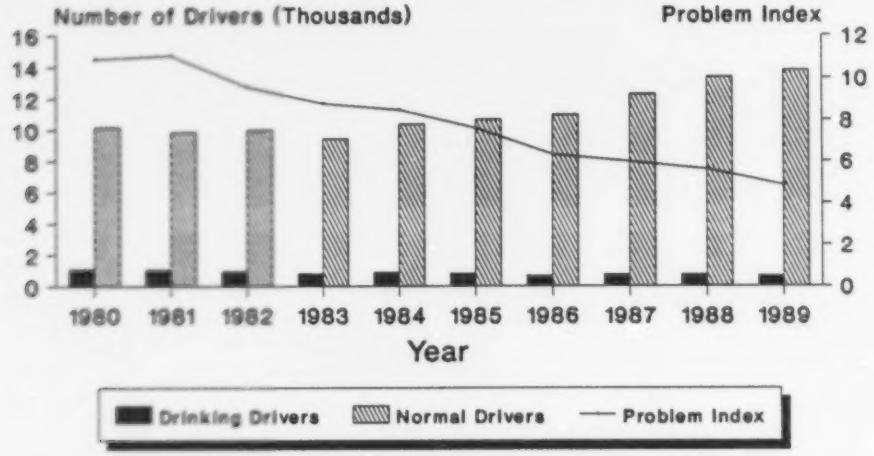
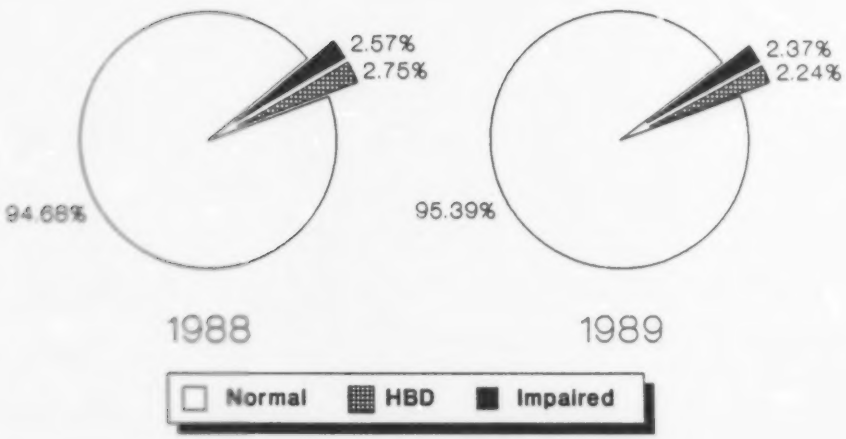
WATERLOO

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1989



Condition of Drivers Involved in Traffic Crashes



WELLINGTON

Drivers Involved in Traffic Crashes, 1980 - 1989

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	160	69	229	1730	120	63	183	851	11	5	16	16	291	137	428	2597
1981	136	52	188	1586	138	52	190	894	5	6	11	19	279	110	389	2499
1982	136	54	190	1663	132	55	187	962	5	6	11	19	273	115	388	2644
1983	128	51	179	1577	132	48	180	890	6	4	10	24	266	103	369	2491
1984	127	60	187	1841	116	58	174	941	6	6	12	19	249	124	373	2801
1985	72	44	116	1659	118	48	166	1181	3	8	11	26	193	100	293	2866
1986	95	28	123	1705	88	36	124	1257	2	4	6	16	185	68	253	2978
1987	80	36	116	1869	105	51	156	1454	5	8	13	16	190	95	285	3339
1988	71	54	125	2306	72	49	121	1428	2	7	9	38	145	110	255	3772
1989	85	40	125	2304	71	57	128	1246	5	1	6	34	161	98	259	3584
Female																
1980	12	5	17	631	9	2	11	365	0	0	0	2	21	7	28	998
1981	16	7	23	634	20	2	22	361	2	0	2	2	38	9	47	997
1982	14	3	17	664	13	3	16	397	1	0	1	5	28	6	34	1066
1983	11	6	17	662	20	6	26	386	2	0	2	4	33	12	45	1052
1984	25	5	30	743	14	9	23	426	0	0	0	7	39	14	53	1176
1985	7	7	14	719	12	8	20	518	1	1	2	10	20	16	36	1247
1986	10	2	12	693	21	6	27	604	1	1	2	6	32	9	41	1303
1987	8	4	12	761	16	3	19	690	0	1	1	8	24	8	32	1459
1988	11	4	15	1111	24	3	27	674	1	0	1	9	36	7	43	1794
1989	4	5	9	1141	21	5	26	686	0	0	0	8	25	10	35	1835
Total																
1980	172	74	246	2361	129	65	194	1216	11	5	16	18	312	144	456	3595
1981	152	59	211	2220	158	54	212	1255	7	6	13	21	317	119	436	3496
1982	150	57	207	2327	145	58	203	1359	6	6	12	24	301	121	422	3710
1983	139	57	196	2239	152	54	206	1276	8	4	12	28	299	115	414	3543
1984	152	65	217	2584	130	67	197	1367	6	6	12	26	288	138	426	3977
1985	79	51	130	2378	130	56	186	1699	4	9	13	36	213	116	329	4113
1986	105	30	135	2398	109	42	151	1861	3	5	8	22	217	77	294	4281
1987	88	40	128	2630	121	54	175	2144	5	9	14	24	214	103	317	4798
1988	82	58	140	3417	96	52	148	2102	3	7	10	47	181	117	298	5566
1989	89	45	134	3445	92	62	154	1932	5	1	6	42	186	108	294	5419

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WELLINGTON

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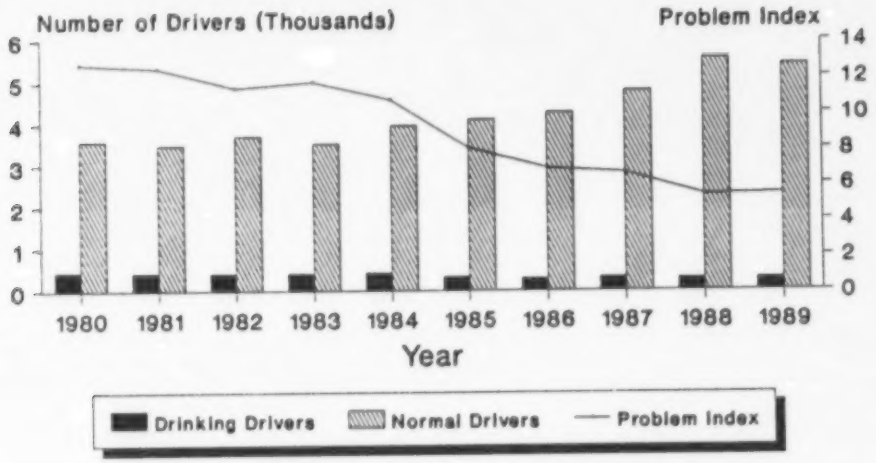
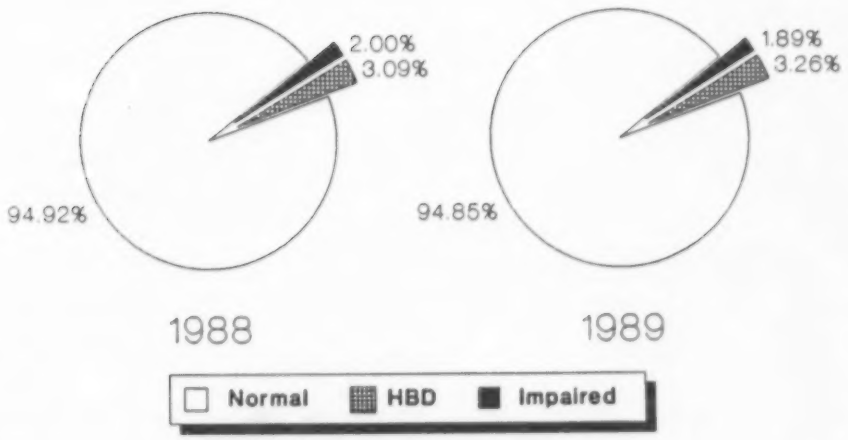
Condition of Drivers Involved in Traffic Crashes